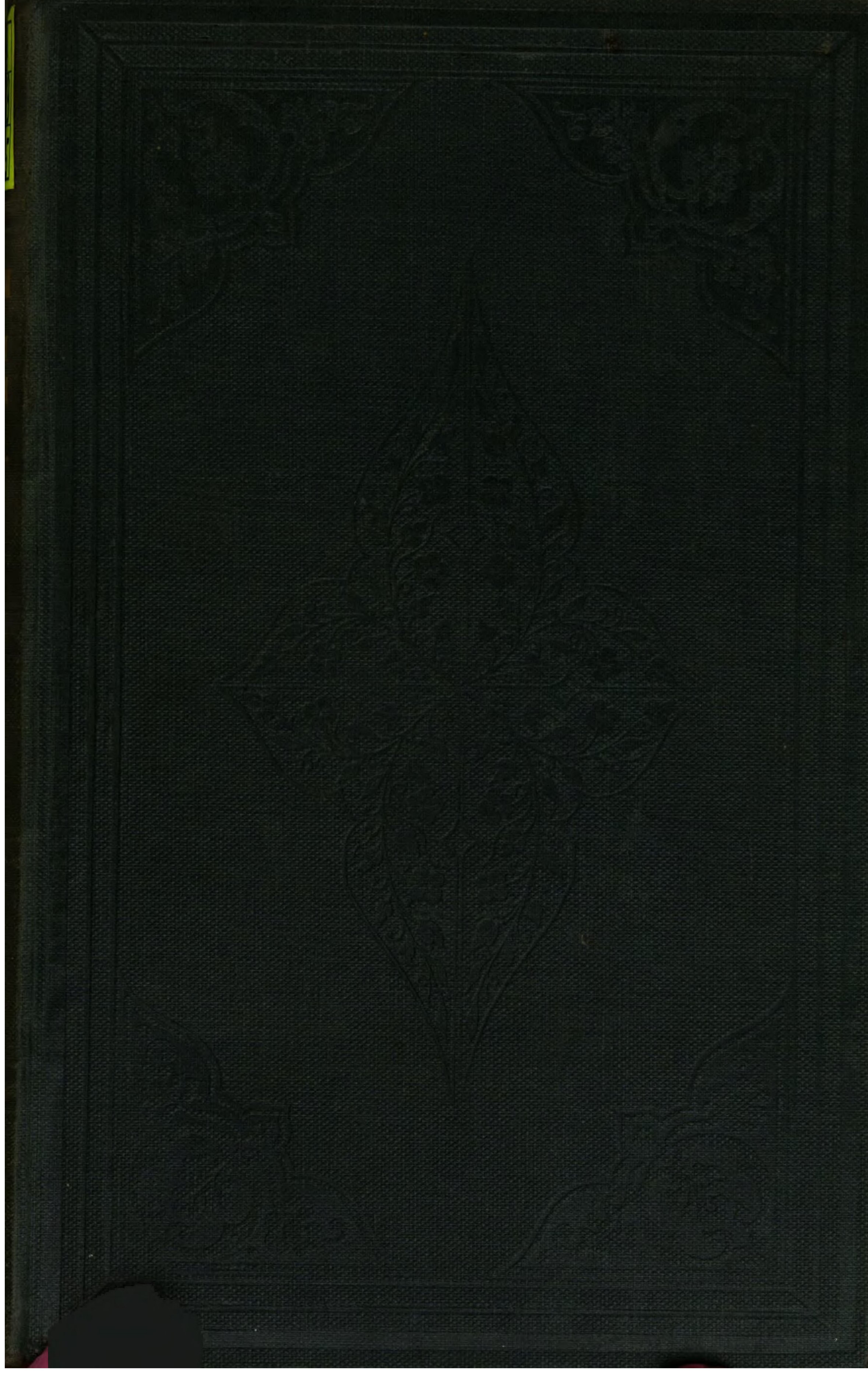




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ARBORETUM ET FRUTICETUM BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,
Native and Foreign, Hardy and Half-Hardy,
PICTORIALLY AND BOTANICALLY DELINEATED,
AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,
AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN
LANDSCAPE-GARDENING;

PRECEDED BY A HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

BY J. C. LOUDON, F.L. & H.S., &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE.

IN EIGHT VOLUMES:

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

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VOL. V.

THE PLATES FROM *MAGNOLIA'CEÆ* TO *LEGUMINO'SÆ* INCLUSIVE.

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ARBORETUM ET FRUITICETUM  
BRITANNICUM;

OR  
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WITH AN ACCOUNT OF THE  
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THESE PLANTS, AND OF THE  
MANNER OF PLANTING AND  
MANAGING THEM IN THE  
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AND FRUIT GARDENING.

AND CARE IN THE ARTS OF FRUIT GARDENING AND  
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| 94.  | <i>G. (sinensis) horrida</i> - -                                           | II. 654 |     | Purging Buckthorn. See                                                                     |         |      |
| 95.  | <i>G. (s.) japonica</i> - - -                                              | II. 654 |     | <i>Rhamnus catharticus</i> .                                                               |         |      |
| 98.  | <i>G. (s.) macracantha</i> - -                                             | II. 654 | 71. | <i>Rhamnus alpinus</i> - - -                                                               | II. 536 |      |
| 96.  | <i>G. (s.) nana</i> - - - -                                                | II. 654 | 70. | <i>R. catharticus</i> (the Purging }<br>Buckthorn) - - - }                                 | II. 531 |      |
| 97.  | <i>G. (s.) purpurea</i> - - -                                              | II. 654 | 72. | <i>R. Frangula</i> (the Berry- }<br>bearing Alder) - - }                                   | II. 537 |      |
| 90.  | <i>G. triacanthos</i> (the Three- }<br>thorned Acacia) - - }               | II. 650 | 73. | <i>R. latifolius</i> - - - -                                                               | II. 538 |      |
| 91.  | <i>G. t.</i> , full-grown tree - -                                         | II. 650 | 88. | <i>Robinia hispida macro-</i> }<br><i>phylla</i> (the large-leaved }<br>Rose Acacia) - - } | II. 628 |      |
| 99.  | <i>Gymnocladus canadensis</i> }<br>(the Kentucky Coffee }<br>Tree) - - - } | II. 656 | 83. | <i>R. Pseud-Acacia</i> (Common }<br>Acacia, or Locust) - }                                 | II. 609 |      |
| 100. | <i>G. c.</i> , full-grown tree.                                            |         | 84. | <i>R. P. A.</i> , full-grown tree, 4to.                                                    |         |      |
|      | Holly. See <i>Ilex</i> .                                                   |         | 86. | <i>R. P. A. tortuosa</i> - - -                                                             | II. 610 |      |
|      | Horsechestnut. See <i>Æsculus</i> .                                        |         | 85. | <i>R. P. A. umbraculifera</i> -                                                            | II. 610 |      |
| 64.  | <i>Ilex Aquifolium</i> (the Holly)                                         | II. 505 | 87. | <i>R. viscosa</i> - - - -                                                                  | II. 626 |      |
| 65.  | <i>I. A.</i> , full-grown tree.                                            |         |     | Rose Acacia. See <i>Robinia</i>                                                            |         |      |
| 66.  | <i>I. opaca</i> - - - -                                                    | II. 516 |     | <i>hispida</i> .                                                                           |         |      |
| 67.  | <i>I. o.</i> , full-grown tree.                                            |         |     | Scotch Laburnum. See <i>Cy-</i>                                                            |         |      |
|      | Judas Tree. See <i>Cercis</i> .                                            |         |     | <i>tisus alpinus</i> .                                                                     |         |      |
|      | Kentucky Coffee Tree. See                                                  |         |     | Siberian Pea Tree. See <i>Ca-</i>                                                          |         |      |
|      | <i>Gymnocladus</i> .                                                       |         |     | <i>ragana</i> .                                                                            |         |      |
| 57.  | <i>Kölreutèria paniculata</i> -                                            | I. 475  | 75. | <i>Sophora japonica</i> - - -                                                              | II. 563 |      |
|      | Laburnum. See <i>Cytisus La-</i>                                           |         | 76. | <i>S. j.</i> , full-grown tree, 4to.                                                       |         |      |
|      | <i>burnum</i> .                                                            |         | 77. | <i>S. j. pendula</i> - - - -                                                               | II. 564 |      |
|      | Lime tree. See <i>Tilia</i> .                                              |         |     | Spindle Tree. See <i>Euony-</i>                                                            |         |      |
|      | Locust. See <i>Robinia</i> .                                               |         |     | <i>mus</i> .                                                                               |         |      |
| 13.  | <i>Liriodendron Tulipifera</i> }<br>(the Tulip Tree) - - }                 | I. 284  |     | Sugar Maple. See <i>Acer</i>                                                               |         |      |
| 14.  | <i>L. T.</i> , full-grown tree.                                            |         |     | <i>saccharinum</i> .                                                                       |         |      |
| 7.   | <i>Magnolia acuminata</i> - -                                              | I. 273  |     | Sycamore. See <i>Acer Pseudo-</i>                                                          |         |      |
| 8.   | <i>M. a.</i> , full-grown tree.                                            |         |     | <i>Platanus</i> .                                                                          |         |      |
| 10.  | <i>M. auriculata</i> - - - -                                               | I. 276  | 21. | <i>Tilia (e.) alba</i> - - - -                                                             | I. 372  |      |
| 12.  | <i>M. conspicua</i> - - - -                                                | I. 278  | 22. | <i>T. americana</i> - - - -                                                                | I. 373  |      |
| 9.   | <i>M. cordata</i> - - - -                                                  | I. 275  | 20. | <i>T. (e.) aurea</i> - - - -                                                               | I. 366  |      |
| 3.   | <i>M. glauca</i> - - - -                                                   | I. 267  | 15. | <i>T. europæa</i> (the common }<br>Lime Tree) - - - }                                      | I. 364  |      |
| 4.   | <i>M. g. Thompsoniana</i> - -                                              | I. 267  | 16. | <i>T. e.</i> , full-grown tree.                                                            |         |      |
| 1.   | <i>M. grandiflora</i> - - - -                                              | I. 261  | 19. | <i>T. (e.) laciniata</i> - - -                                                             | I. 366  |      |
| 2.   | <i>M. g. exoniensis</i> - - -                                              | I. 261  | 23. | <i>T. (a.) laxiflora</i> - - -                                                             | I. 374  |      |
| 6.   | <i>M. macrophylla</i> - - - -                                              | I. 271  | 17. | <i>T. (e.) platyphylla</i> - -                                                             | I. 365  |      |
| 11.  | <i>M. (a.) pyramidata</i> - -                                              | I. 277  | 18. | <i>T. (e.) p. minor</i> - - -                                                              | I. 365  |      |
| 5.   | <i>M. tripetala</i> - - - -                                                | I. 269  | 24. | <i>T. (a.) pubescens</i> - - -                                                             | I. 374  |      |
|      | Maple. See <i>Acer</i> .                                                   |         |     | Three-thorned Acacia. See                                                                  |         |      |
| 46.  | <i>Negundo fraxinifolium</i> (the }<br>Box Elder) - - - }                  | I. 460  |     | <i>Gleditschia</i> .                                                                       |         |      |
| 47.  | <i>N. f. crispum</i> - - - -                                               | I. 460  |     | Toothache Tree. See <i>Xan-</i>                                                            |         |      |
| 68.  | <i>Paliurus aculeatus</i> (Christ's }<br>Thorn) - - - }                    | II. 527 |     | <i>thoxylum</i> .                                                                          |         |      |
| 69.  | <i>P. a.</i> , full-grown tree.                                            |         |     | Tulip Tree. See <i>Lirioden-</i>                                                           |         |      |
| 54.  | <i>Pavia flava</i> - - - -                                                 | I. 471  |     | <i>dron</i> .                                                                              |         |      |
| 55.  | <i>P. f.</i> , full-grown tree.                                            |         | 78. | <i>Virgilia lutea</i> - - - -                                                              | II. 565 |      |
| 56.  | <i>P. macrocarpa</i> - - - -                                               | I. 473  | 58. | <i>Xanthoxylum fraxineum</i> }<br>(the Toothache Tree) }                                   | I. 488  |      |



*Magnolia grandiflora.*  
The large-flowered evergreen Magnolia.



13½ ft. high, 3 in. diam.









*Magnolia grandiflora exoniensis.*

The large-flowered evergreen Exeter Magnolia.



13½ ft. high, 3 in. diam.









*Magnolia glauca.*

The glaucous-leaved deciduous Magnolia.



13 ft. high, 4 in. diam.









*Magnolia glauca Thompsoniana.*

Thomson's glaucous-leaved deciduous Magnolia.



12½ ft. high, 3 in. diam.









*Magnolia tripétala.*

The three-petaled-flowered deciduous Magnolia.



12 $\frac{3}{4}$  ft. high, 3 $\frac{1}{2}$  in. diam.









*Magnolia macrophylla.*

The large-leaved *deciduous* Magnolia.









*Magnolia acuminata.*  
The pointed-leaved Magnolia.

7









*Magnòlia acuminàta.*  
The pointed-*leaved* Magnolia.



Full-grown tree at Syon ; 49 ft. high, diam of the trunk 3 ft., and of the head 48 ft.  
[Scale 1 in. to 12 ft.]









*Magnolia cordata.*

The heart-shaped-leaved deciduous Magnolia.



12½ ft. high, 4½ in. diam.









*Magnolia auriculata.*

The ear-leaved deciduous Magnolia.



14½ ft. high, 3 in. diam.









*Magnòlia (auriculàta) pyramidàta.*

The pyramidal *deciduous* (ear-leaved) Magnolia.



13 ft. high,  $2\frac{1}{2}$  in. diam.









*Magnolia conspicua.*

The conspicuous-flowered, or Yulan, Magnolia.



14 ft. high,  $4\frac{1}{2}$  in. diam.



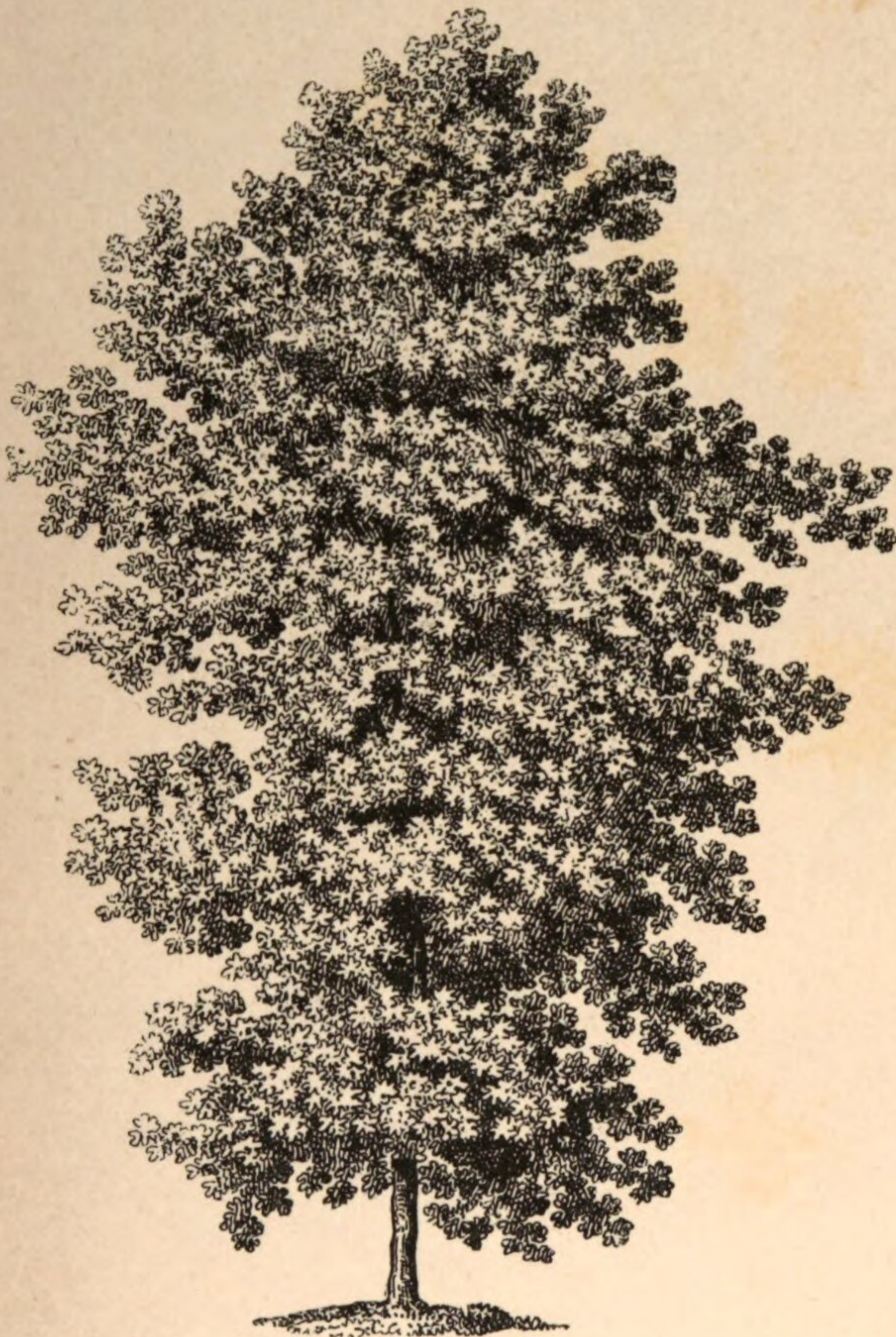






*Liriodéndron Tulipífera.*

The Tulip tree.



18 ft. high,  $4\frac{1}{2}$  in. diam.







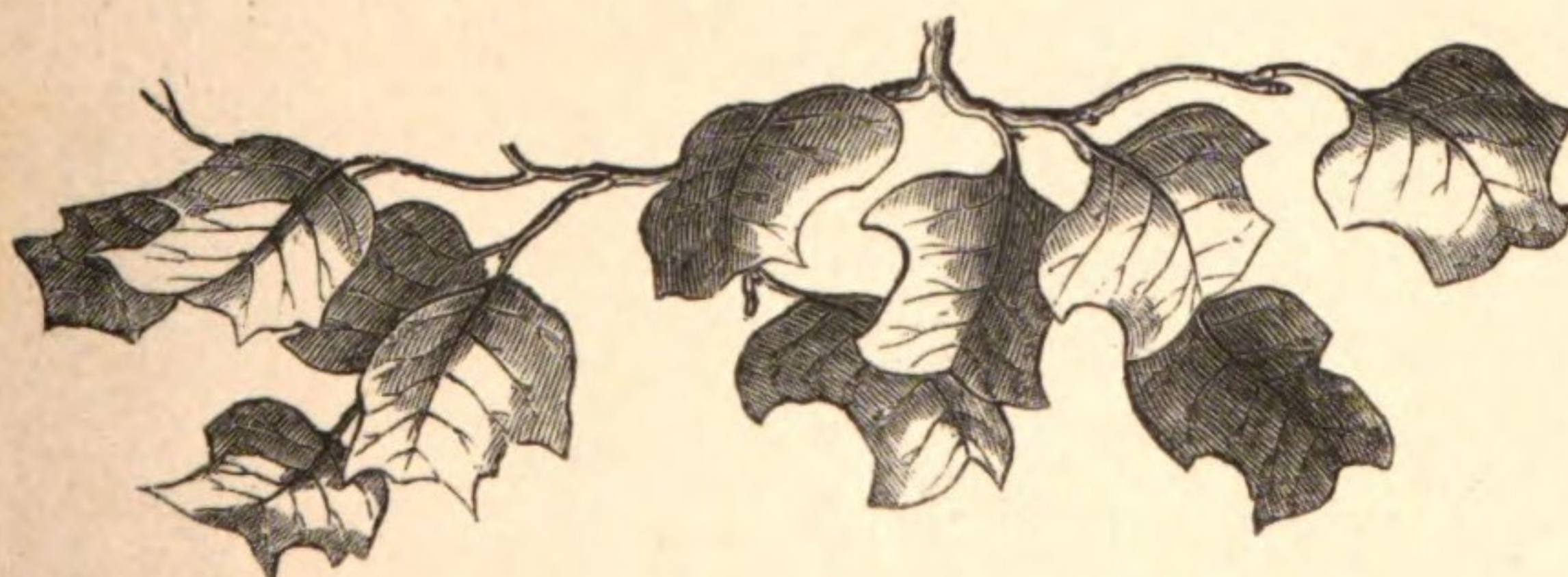


The Tulip-bearing Liriodendron, or the Tulip tree.



Full-grown tree at Syon; 76 ft. high.

[Scale 1 in. to 12 ft.]

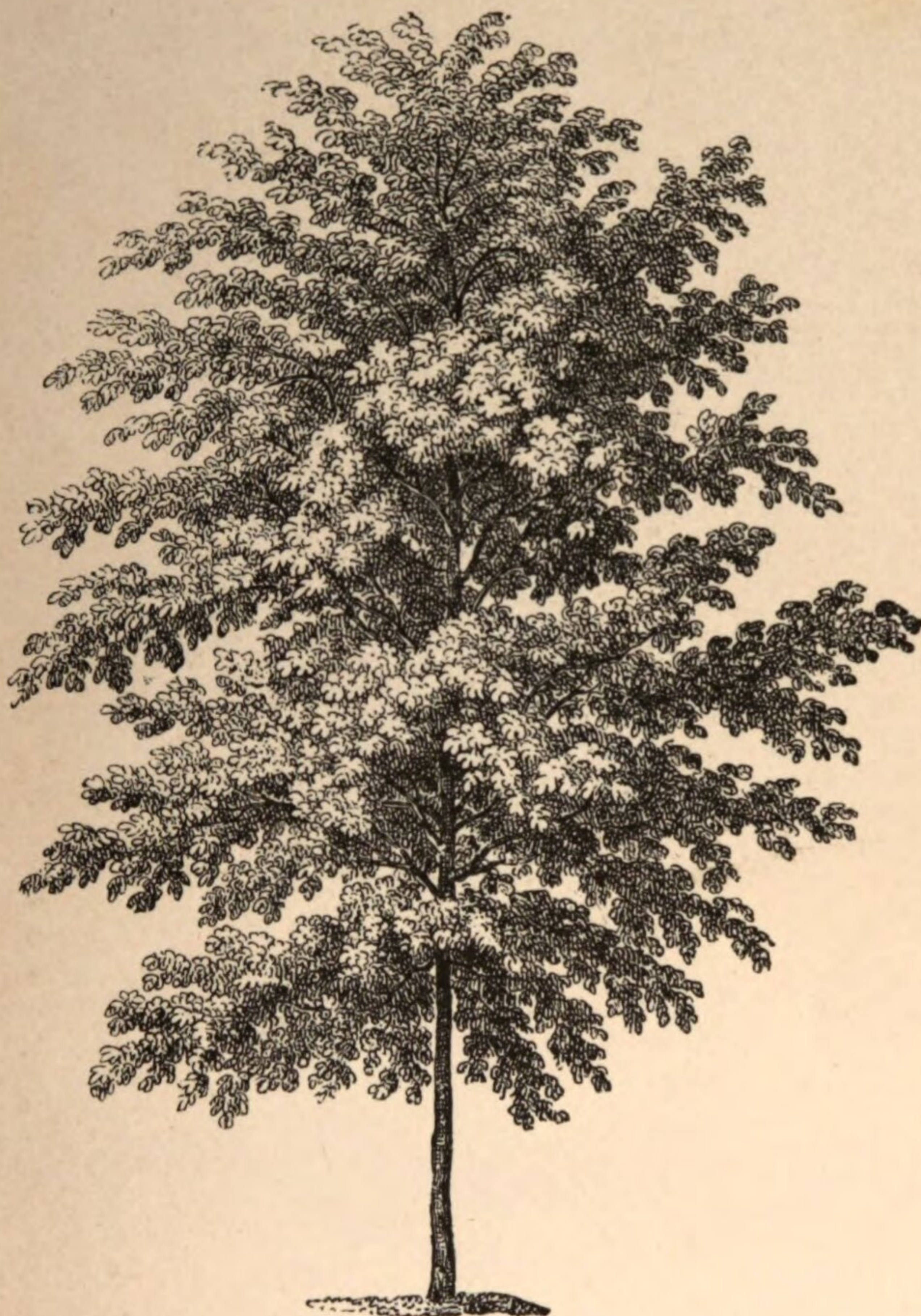




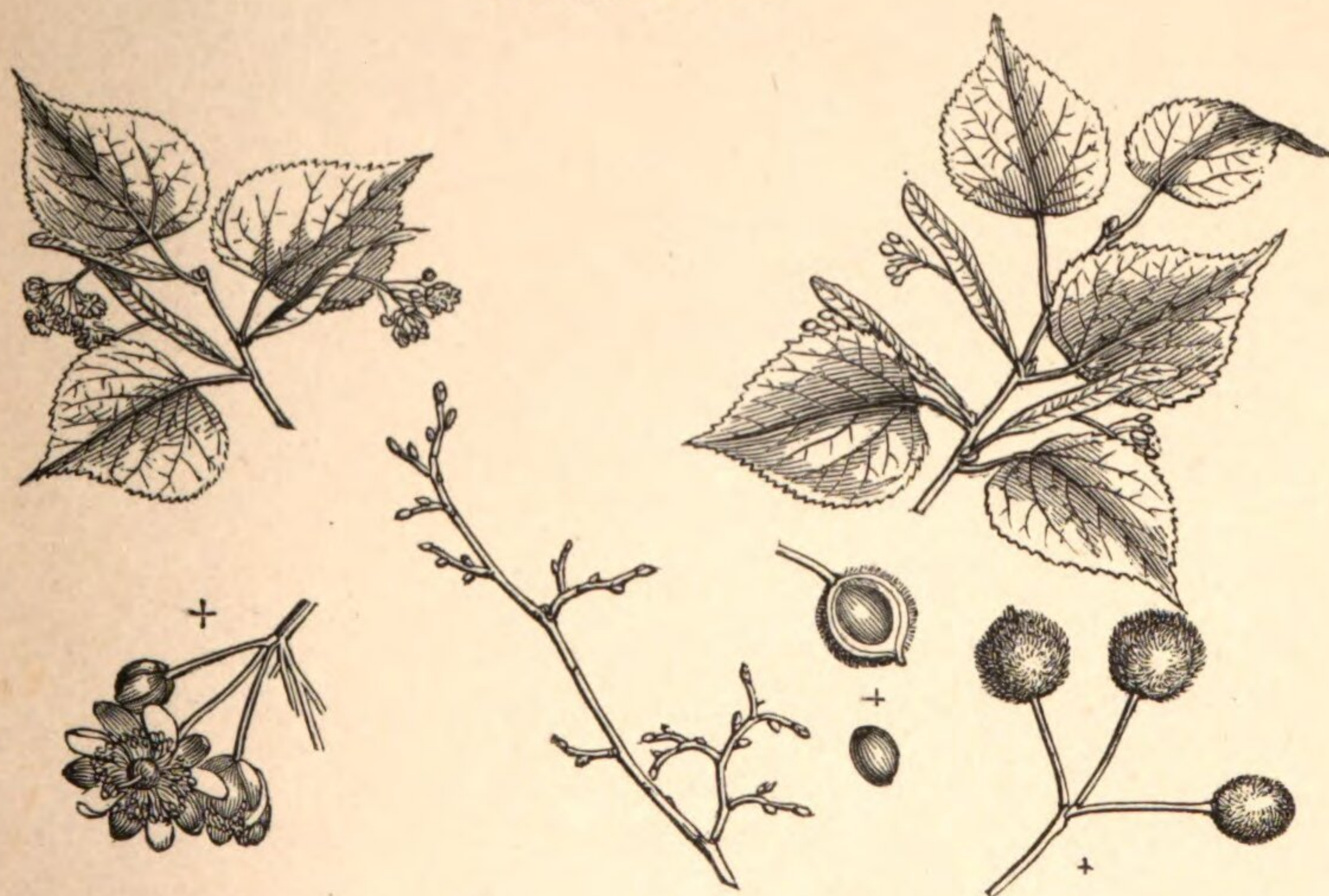




*Tilia europæa*.  
The European, or common, Lime tree.



18 ft. high, 4 in. diam.





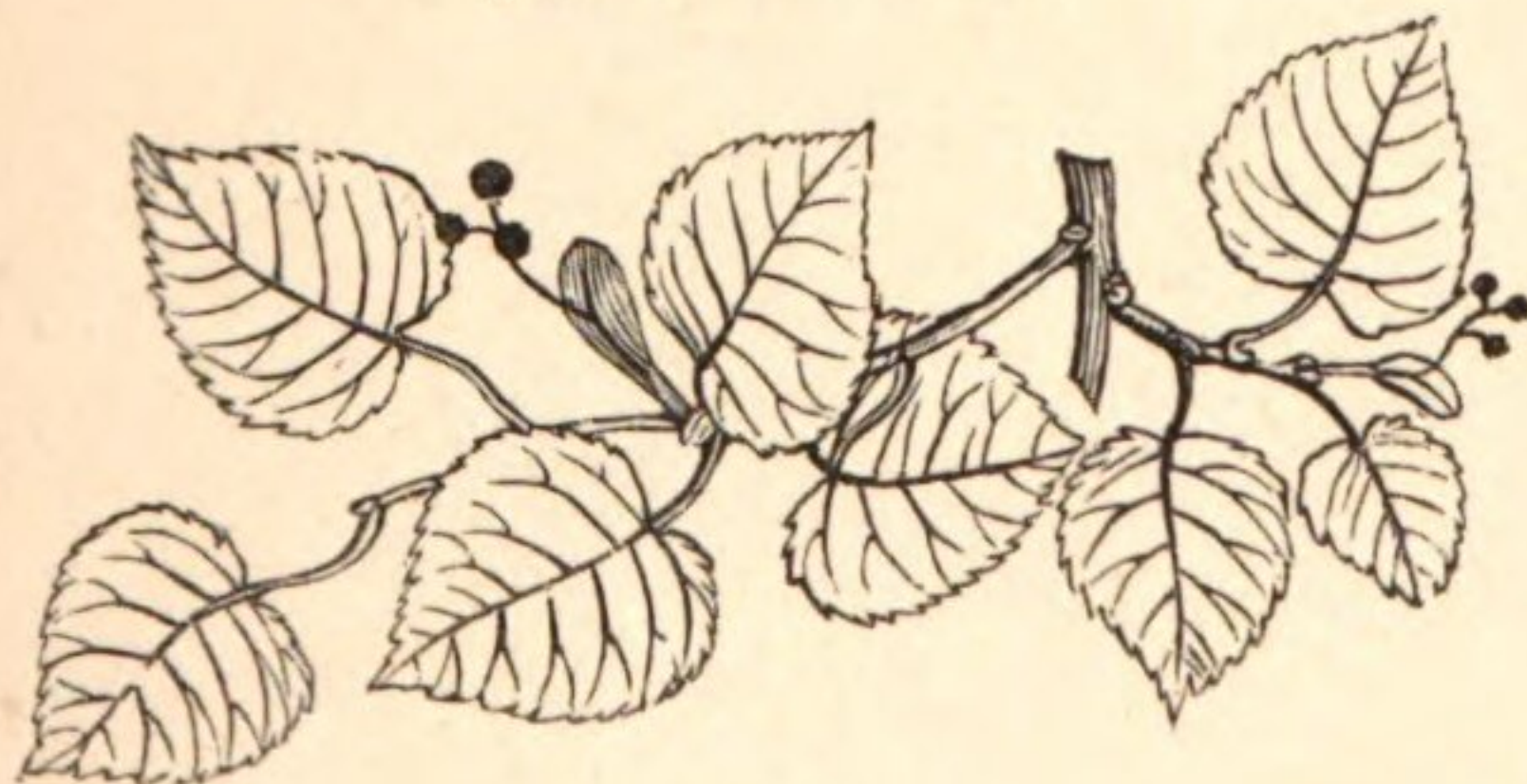




*Tilia europæa.*  
The European, or common, Lime tree.



Full-grown tree at Studley Park ; 125 ft. high, diam. of the trunk 6 ft., and of the head 75 ft.  
[Scale 1 in. to 24 ft.]





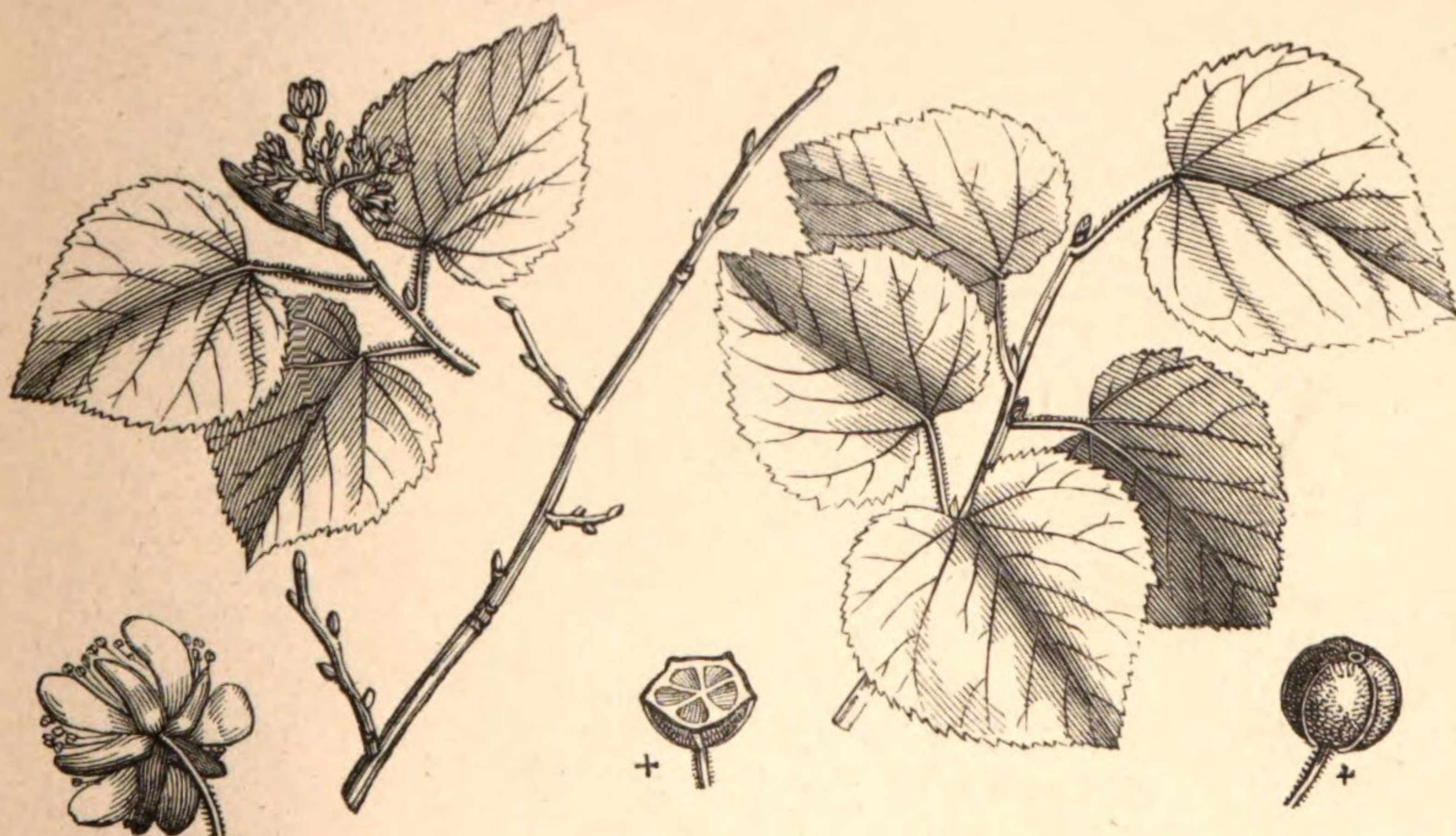




The broad-leaved (European) Lime tree.



18 ft. high, 6 in. diam.









*Tilia (e.) platyphylla minor.*

The smaller broad-leaved (European) Lime tree.



15 ft. high, 4 in. diam.









*Tilia (e.) laciniata.*

The laciniated-*leaved* (European) Lime tree.



14½ ft high, 3 in. diam.









*Tilia (e.) aurea.*

The golden-*twigged* (European) Lime tree.



11 ft. high,  $2\frac{1}{2}$  in. diam.









*Tilia (e.) alba.*

The white-leaved (European) Lime tree.



16 ft. high, 3 in. diam.





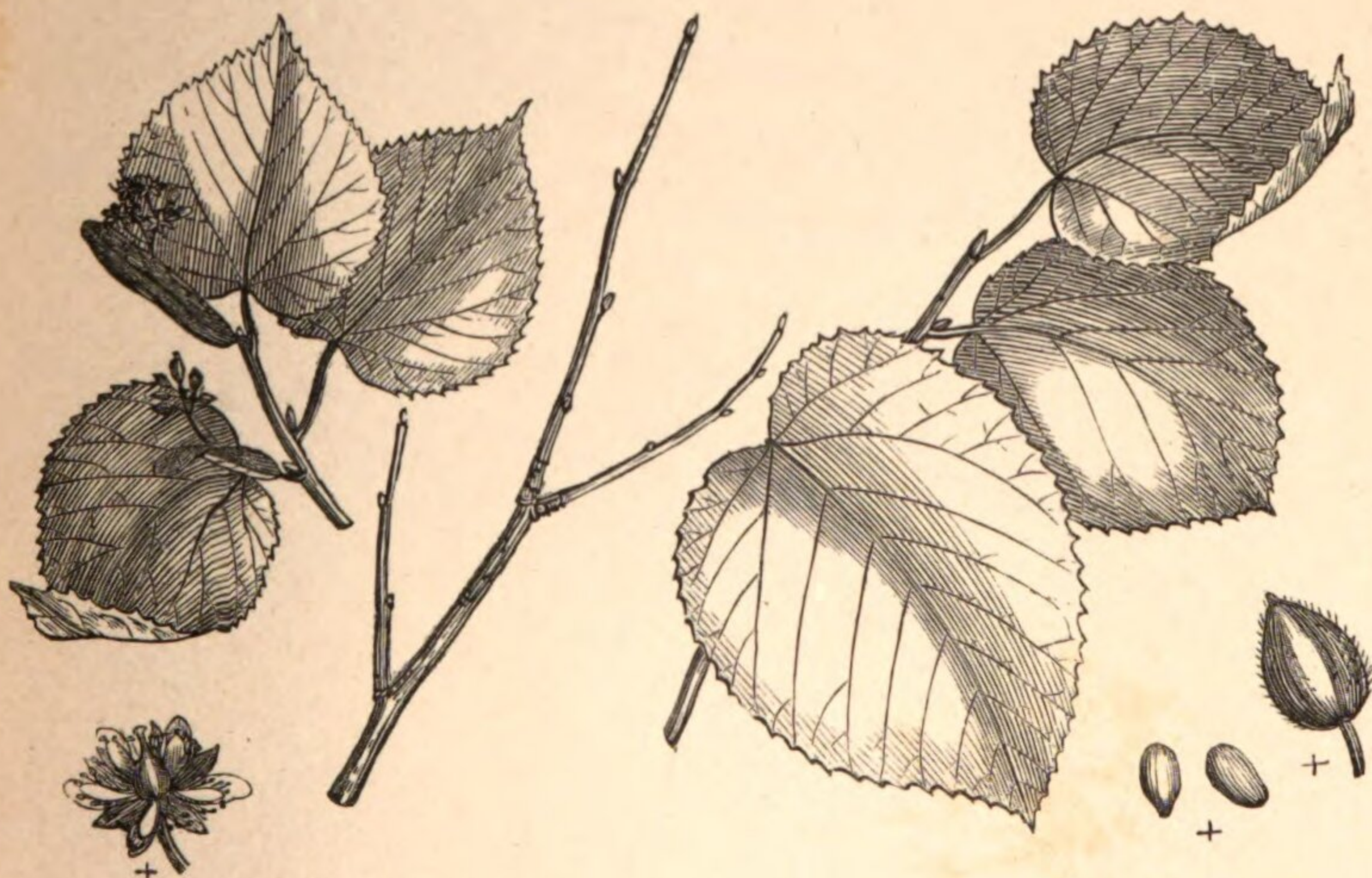




*Tilia americana.*  
The American Lime tree.



13 ft. high, 3 in. diam.







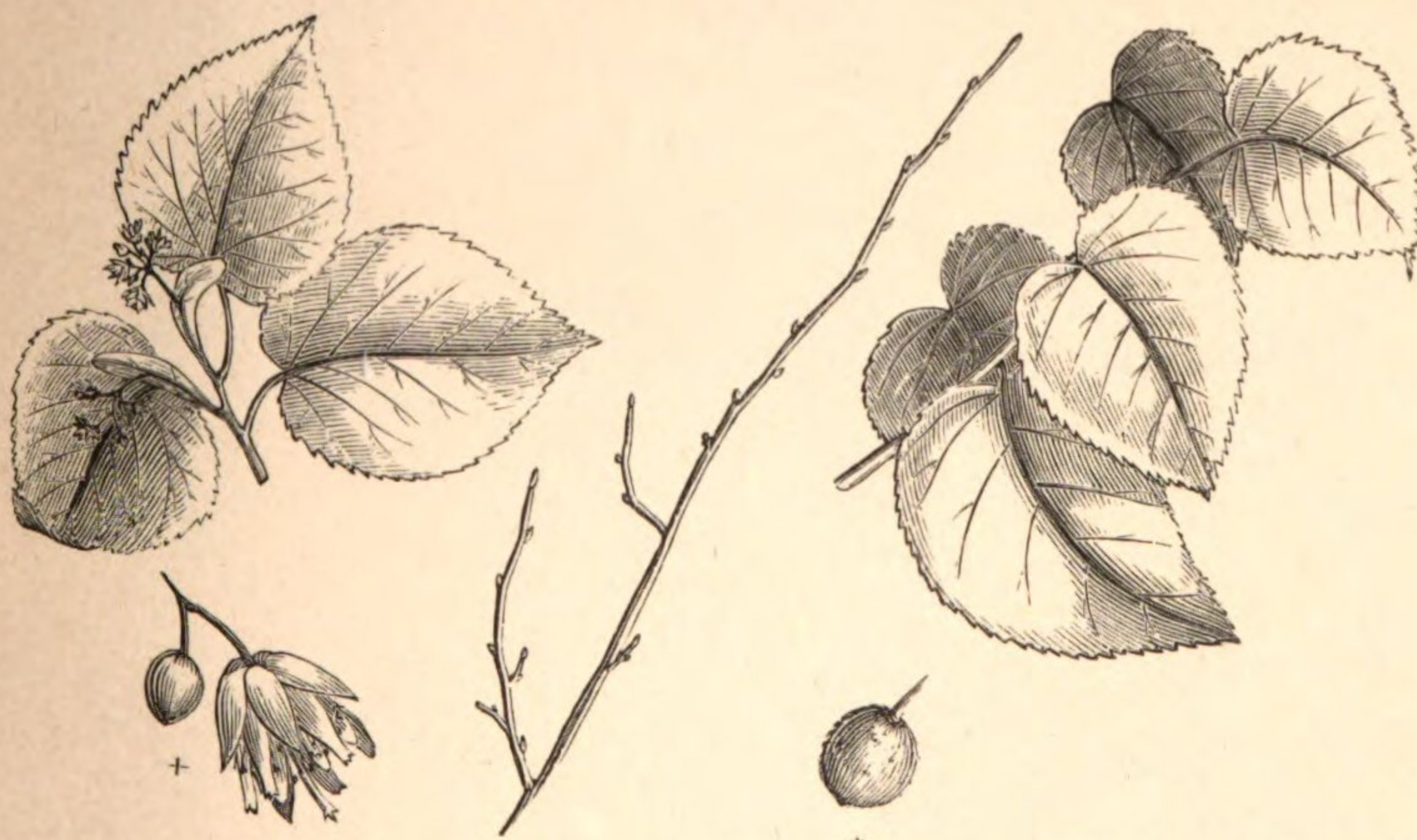


*Tilia americana laxiflora.*

The loose-flowered American Lime tree.



15 ft. high,  $2\frac{3}{4}$  in. diam.







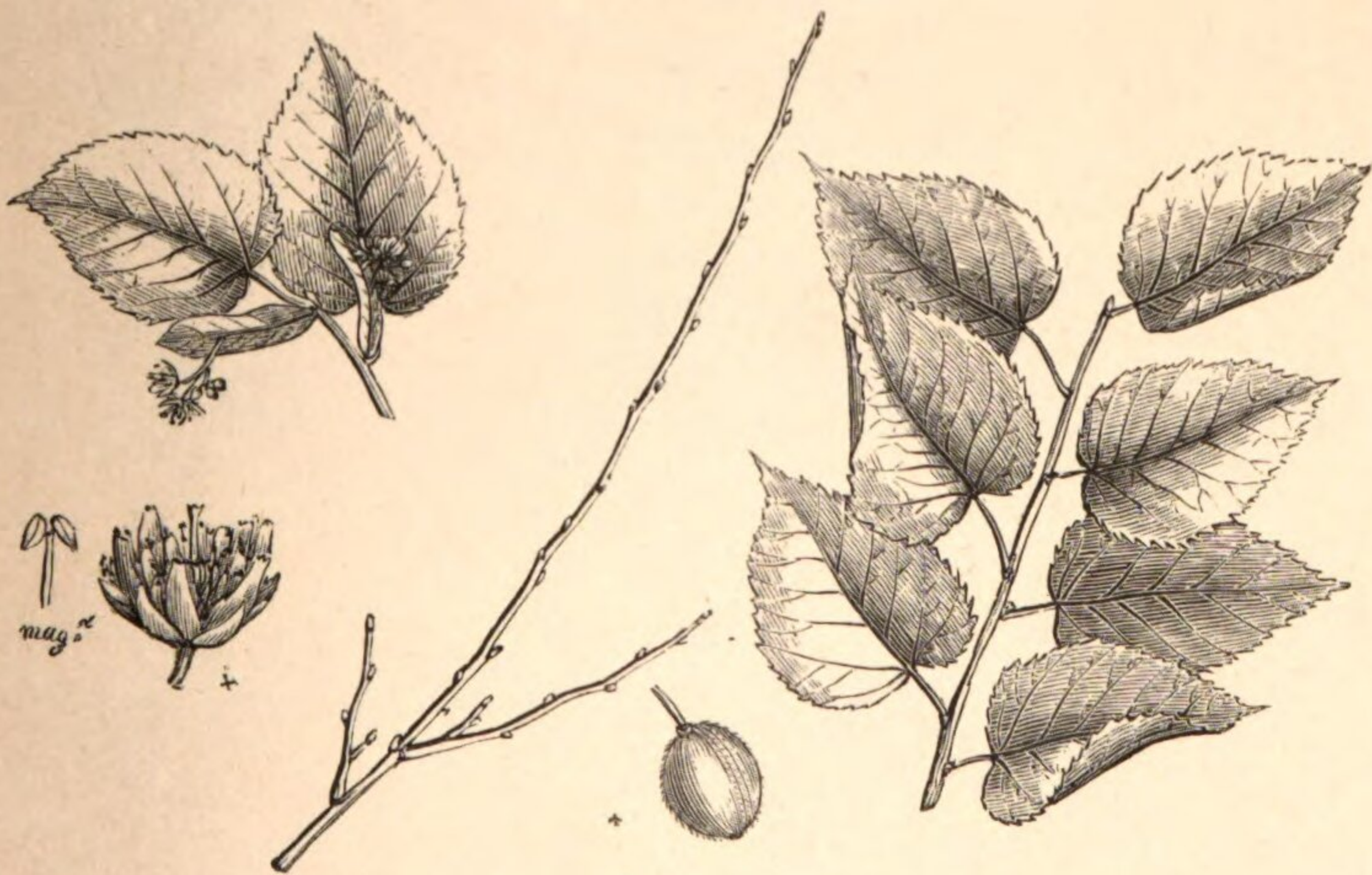


*Tilia americana pubescens.*

The downy-leaved American Lime tree.



14 ft. high, 4½ in. diam.





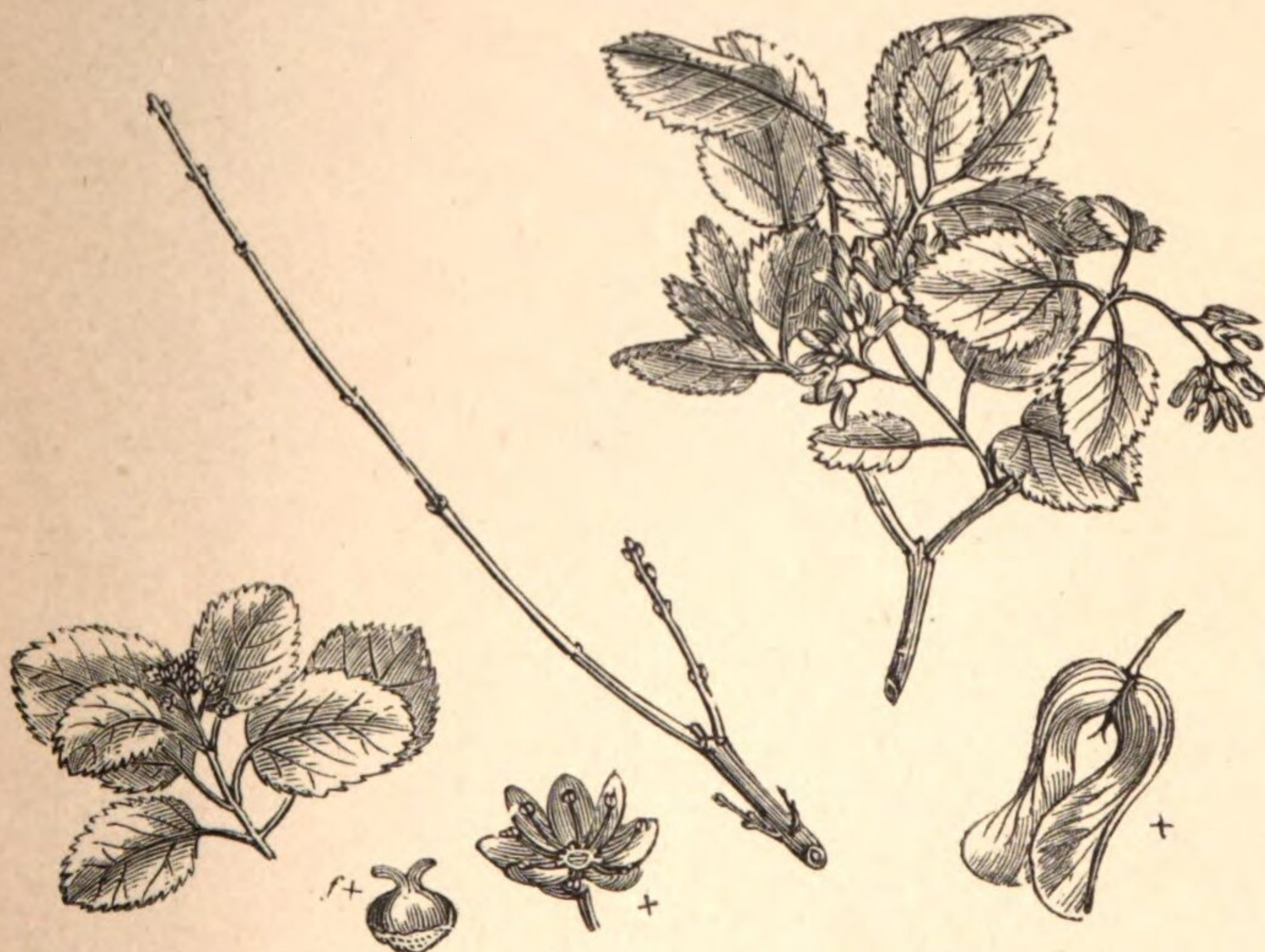




*Acer tatáricum.*  
The Tartarian Maple.



15 ft. high, 4 in. diam.









*Acer spicatum.*  
The spike-flowered Maple.



12½ ft. high, 3¼ in. diam.





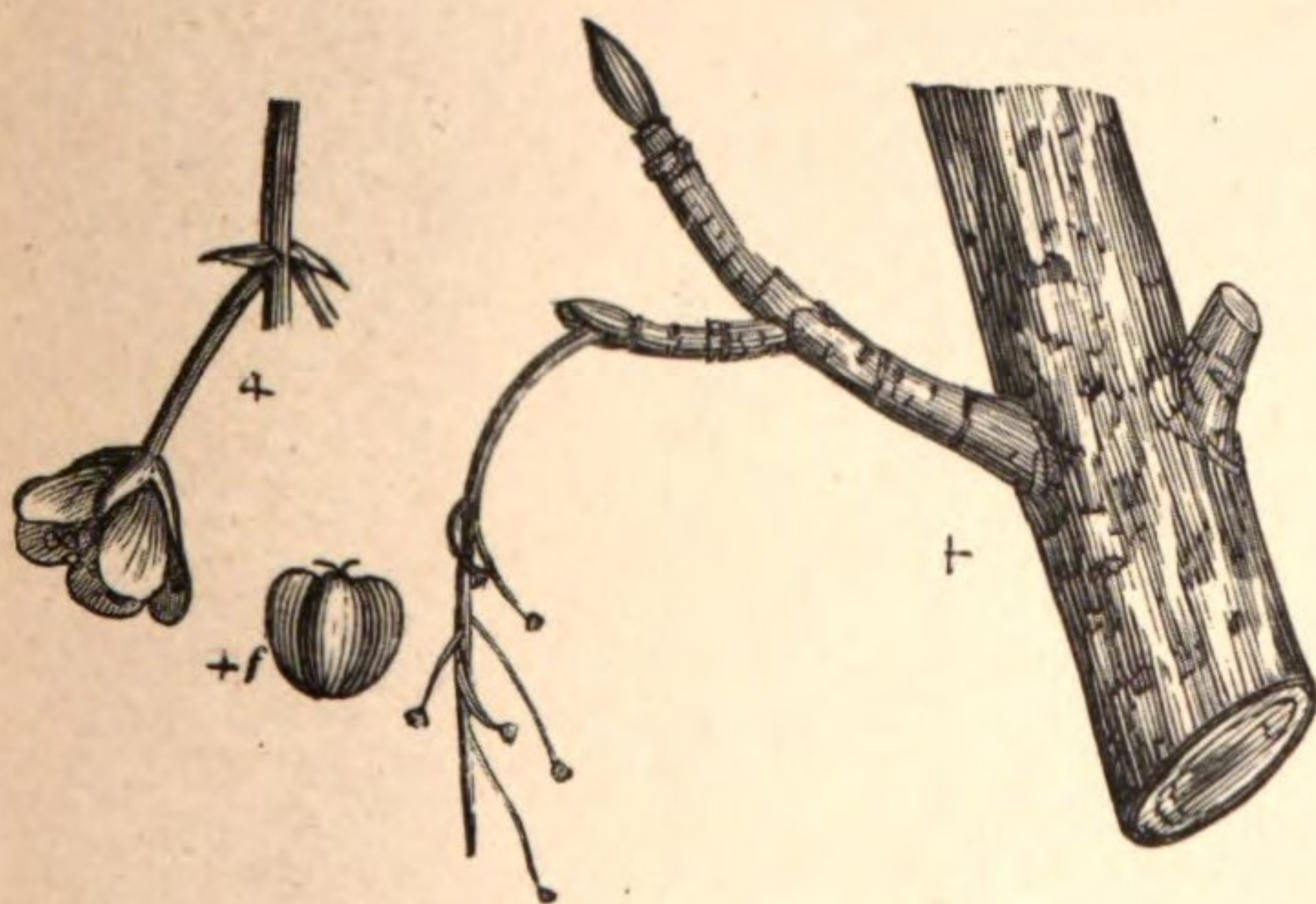




*Acer striatum.*  
The striped-barked Maple.



13 ft. high,  $2\frac{1}{2}$  in. diam.







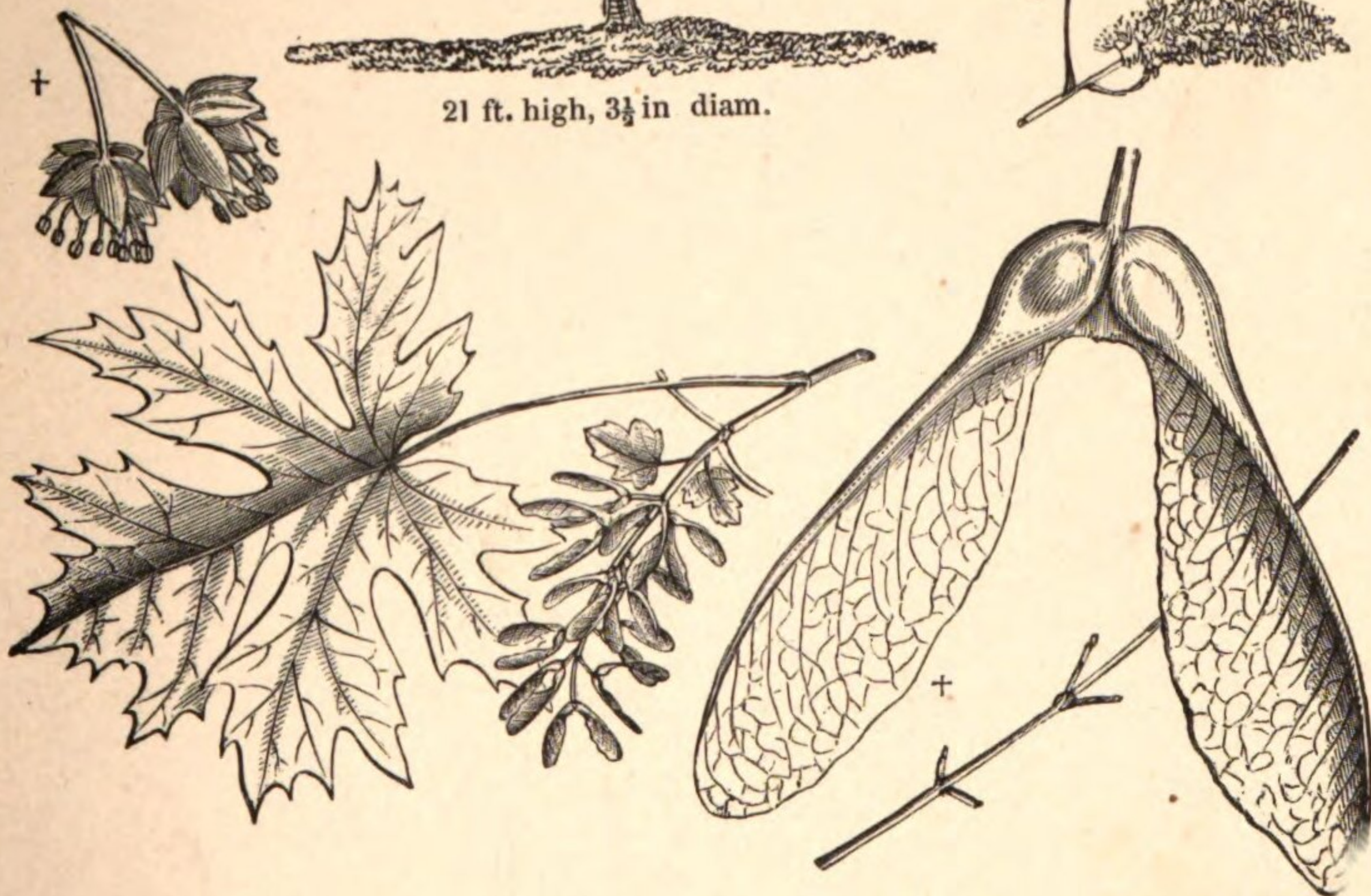


*Acer macrophyllum.*  
The large-leaved Maple.

28



21 ft. high, 3½ in diam.









The Platanus-like, or Norway, Maple.



20½ ft. high, 7 in. diam.





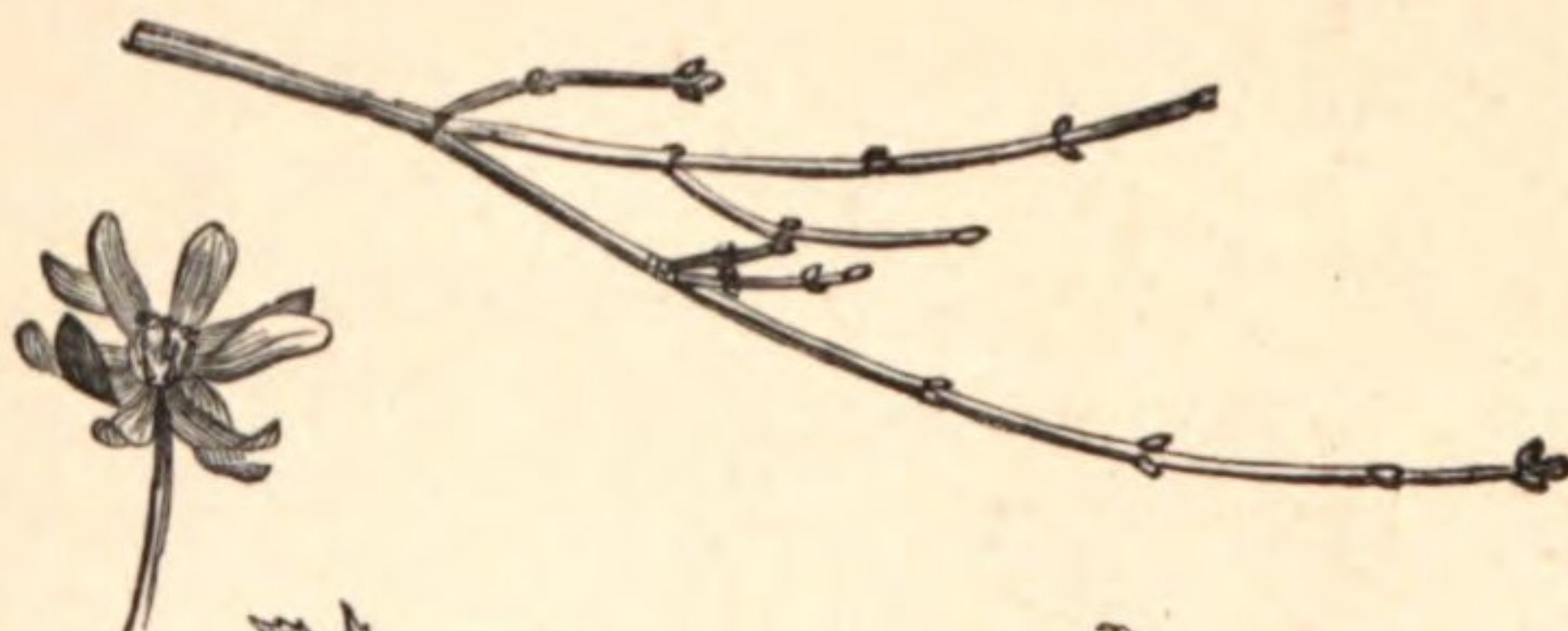




The cut-leaved Platanus-like, or Norway, Maple.



16 ft. high, 3 in. diam.









*Acer saccharinum.*

The Sugar Maple.



13 ft. high, 2 in. diam.



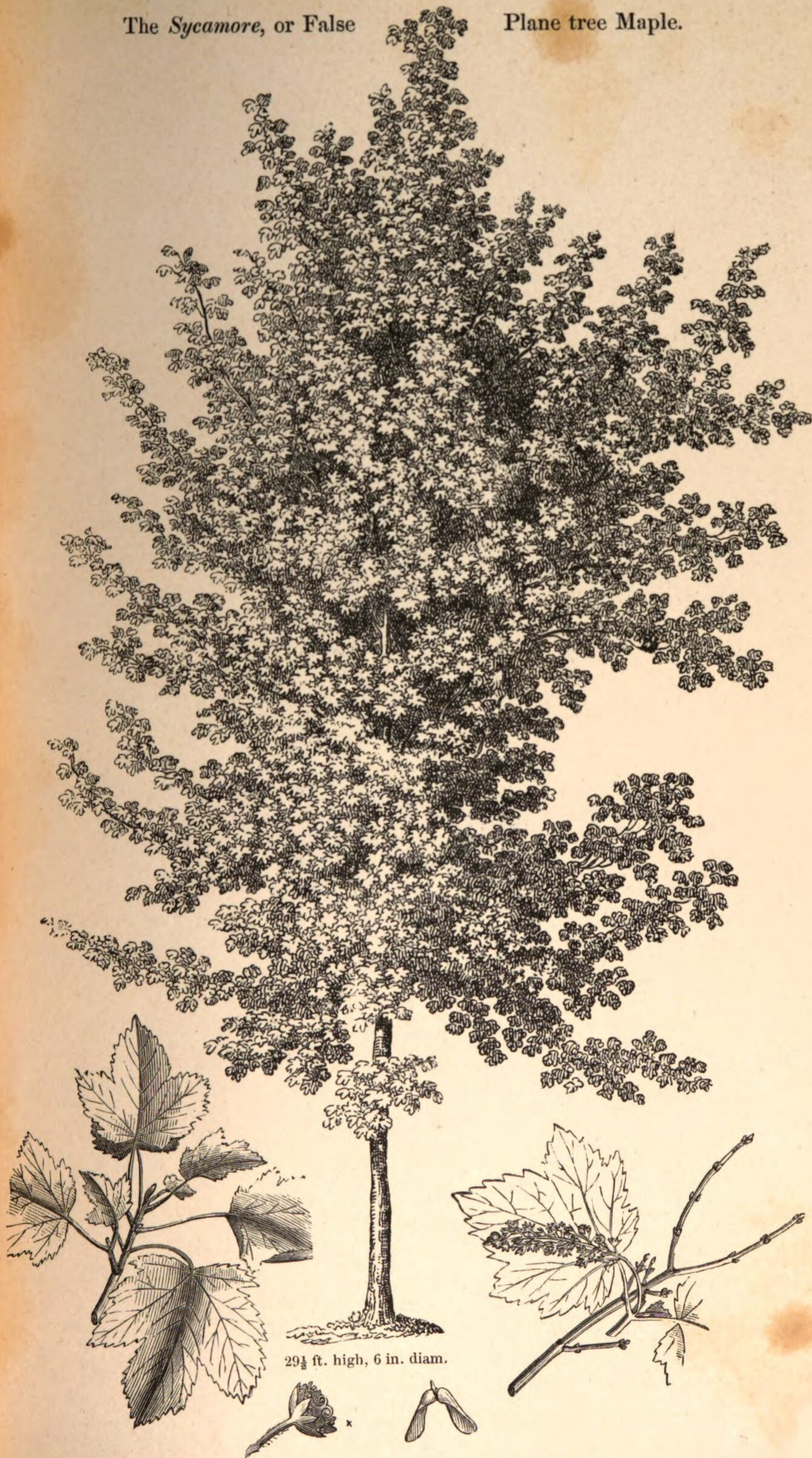






The *Sycamore*, or False

Plane tree Maple.







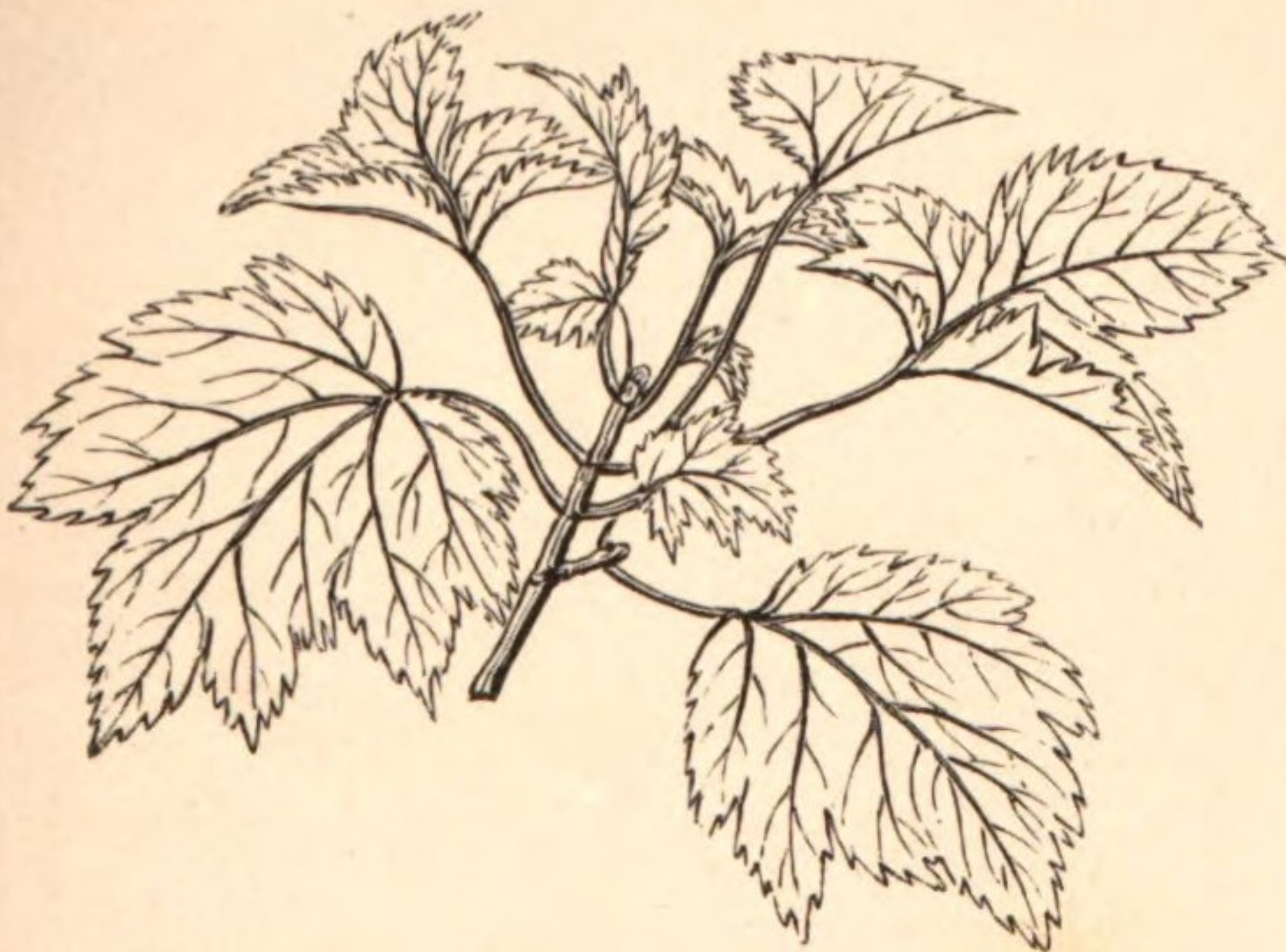


*Acer Pseùdo-Plátanus.*

The false Platanus, or common Sycamore.



Full-grown tree at Studley ; 100 ft. high, diam. of the trunk 8 ft. 1 in., and of the head 91 ft.  
[Scale 1 in. to 24 ft.]

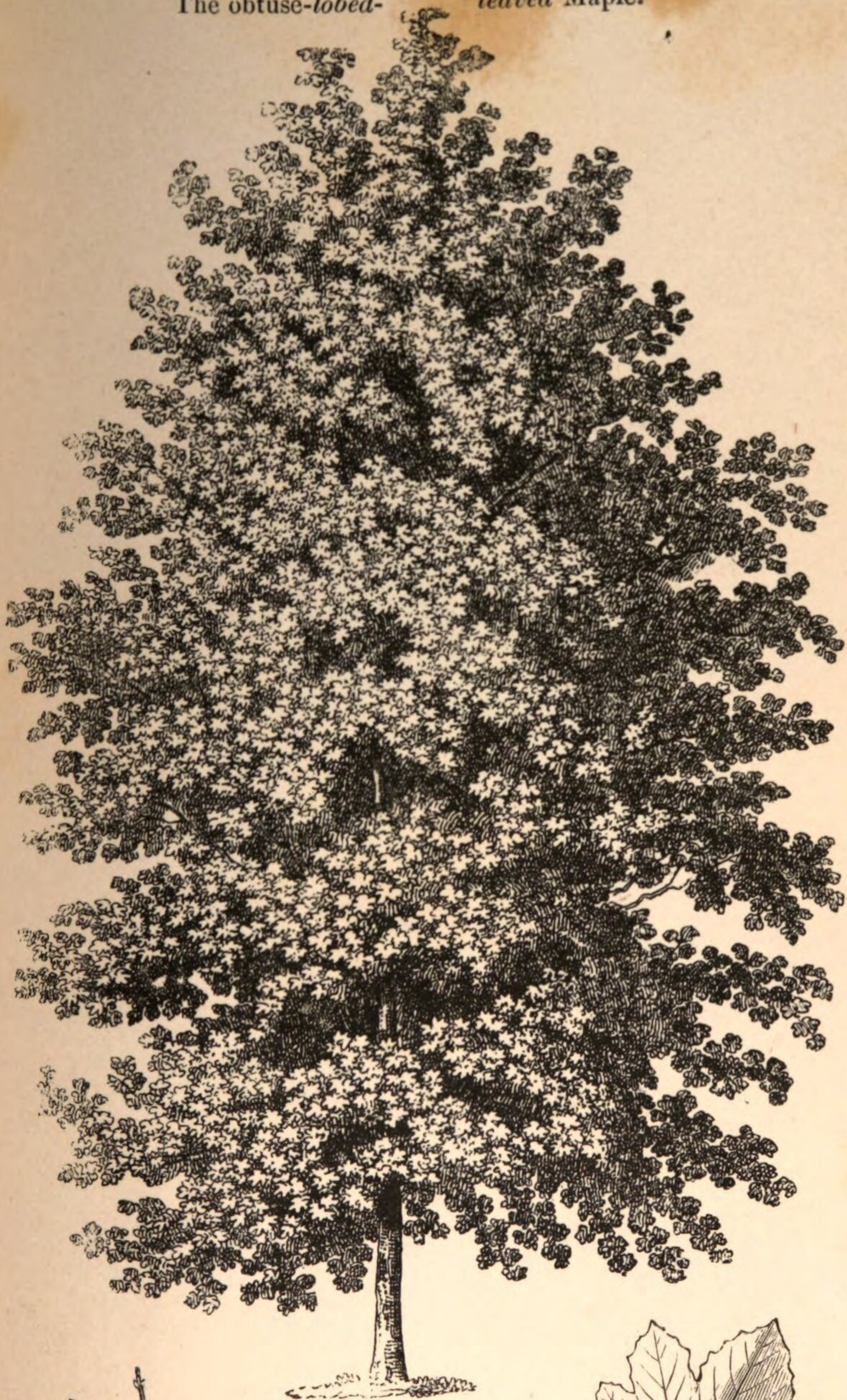








*Acer obtusatum.*  
The obtuse-lobed-leaved Maple.



25½ ft. high, 5¼ in. diam.





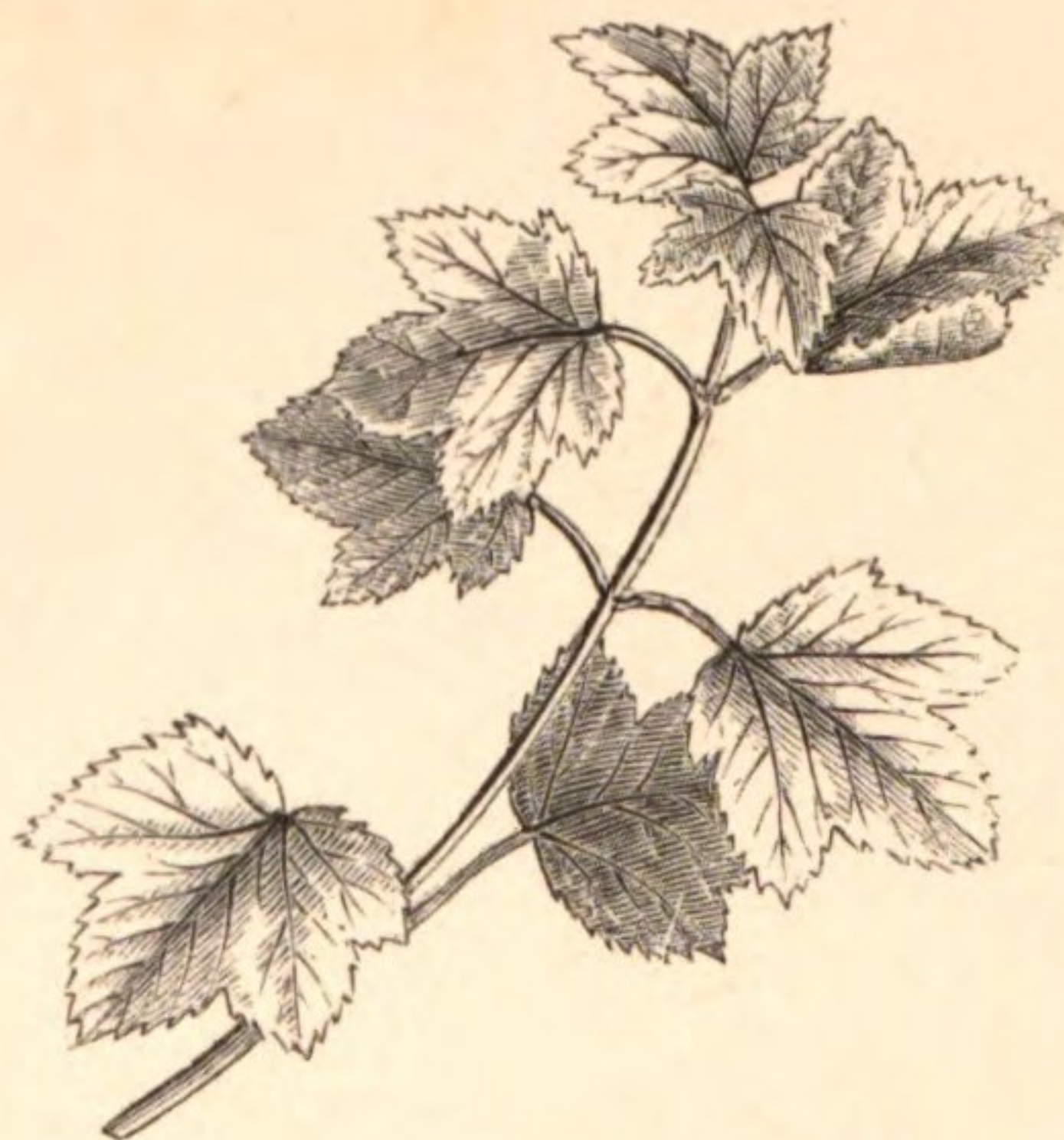




*Acer opulifolium.*  
The Guelder-Rose-leaved Maple.



14 $\frac{3}{4}$  ft. high, 3 $\frac{1}{4}$  in. diam.









*Acer O'palus.*

The Guelder-Rose-like Maple.



10 ft. high, 2½ in. diam.

















*Acer eriocarpum.*  
The woolly-fruited Maple.



Full-grown tree at Kew ; 56 ft. high. diam. of the trunk 3 ft., and of the head 45 ft.  
[Scale 1 in. to 12 ft.]









*Acer rubrum.*  
The red-flowered Maple.

39









*Acer rubrum.*

The red, or *Swamp*, Maple.



Full-grown tree at Kew ; 36 ft. high, diam. of the trunk  $2\frac{1}{2}$  ft., and of the head 30 ft.  
[Scale 1 in. to 12 ft.]









*Acer monspessulanum.*  
The Montpellier Maple.



15 ft. high, 4 in. diam.





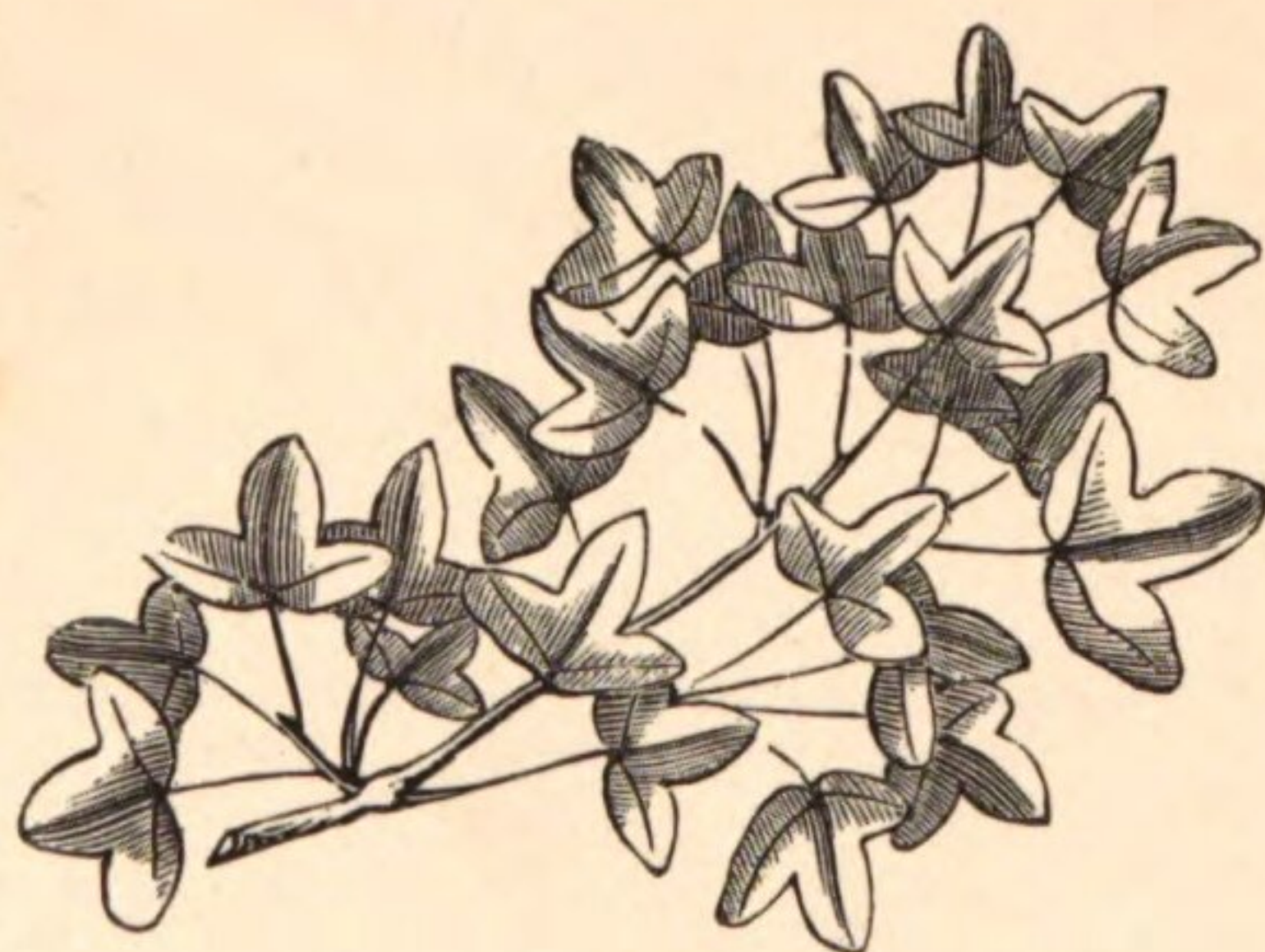




*Acer monspessulanum.*  
The Montpellier Maple.



Full-grown tree at Ham House ; 30 ft. high. diam. of the head 40 ft., and of the trunk  $1\frac{1}{2}$  ft.  
[Scale 1 in. to 12 ft.]



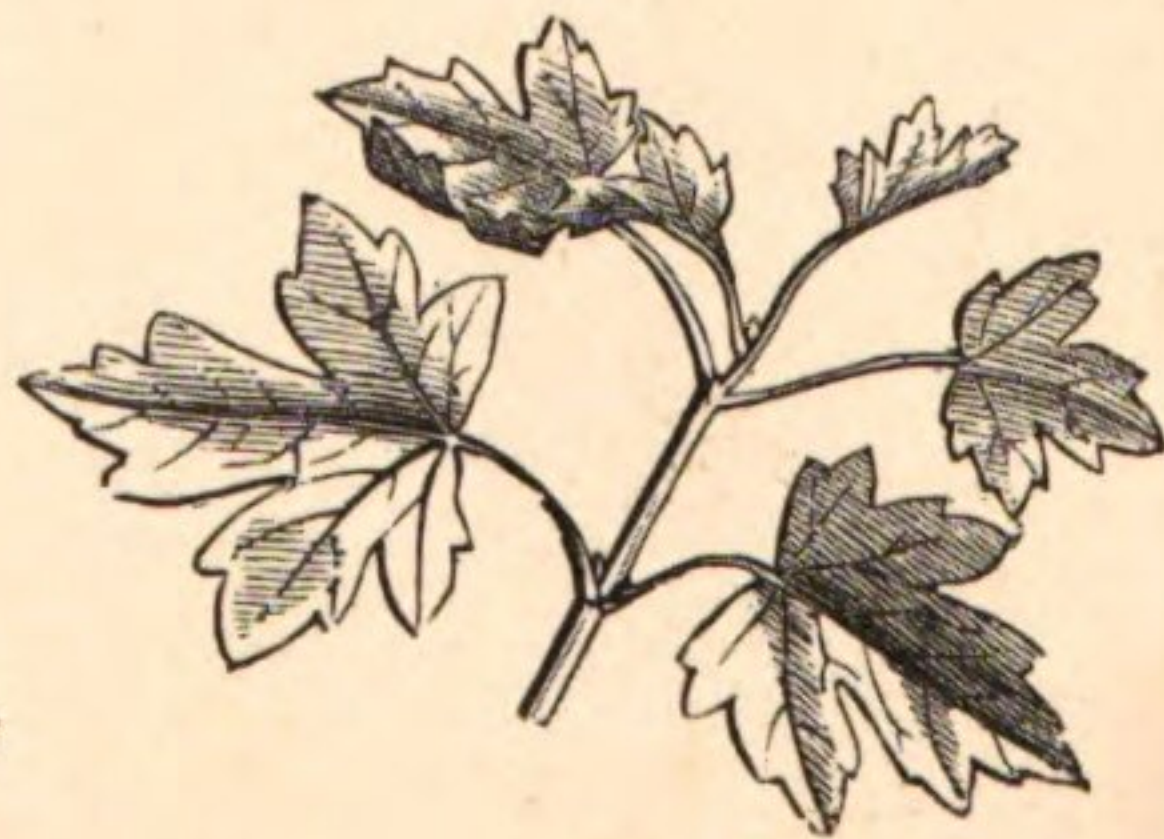
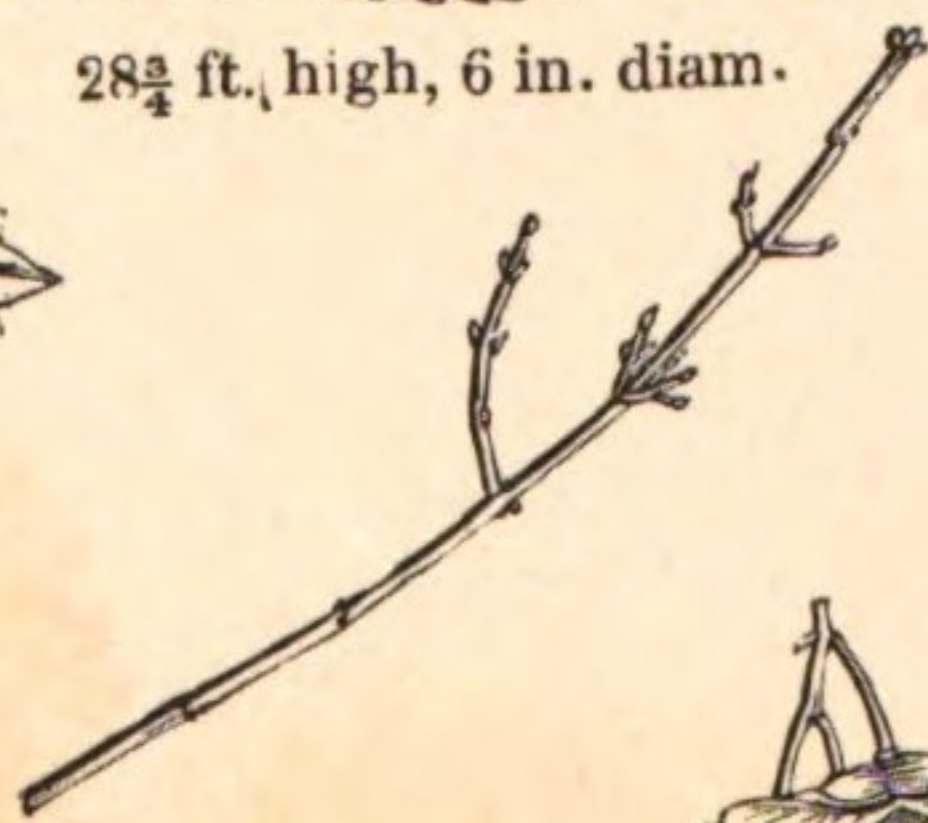








28½ ft. high, 6 in. diam.

















*Acer créticum.*  
The Cretan Maple.



Full-grown tree at Syon ; 28 ft. high, diam. of the trunk  $2\frac{1}{2}$  ft., and of the head 48 ft.  
[Scale 1 in. to 12 ft.]

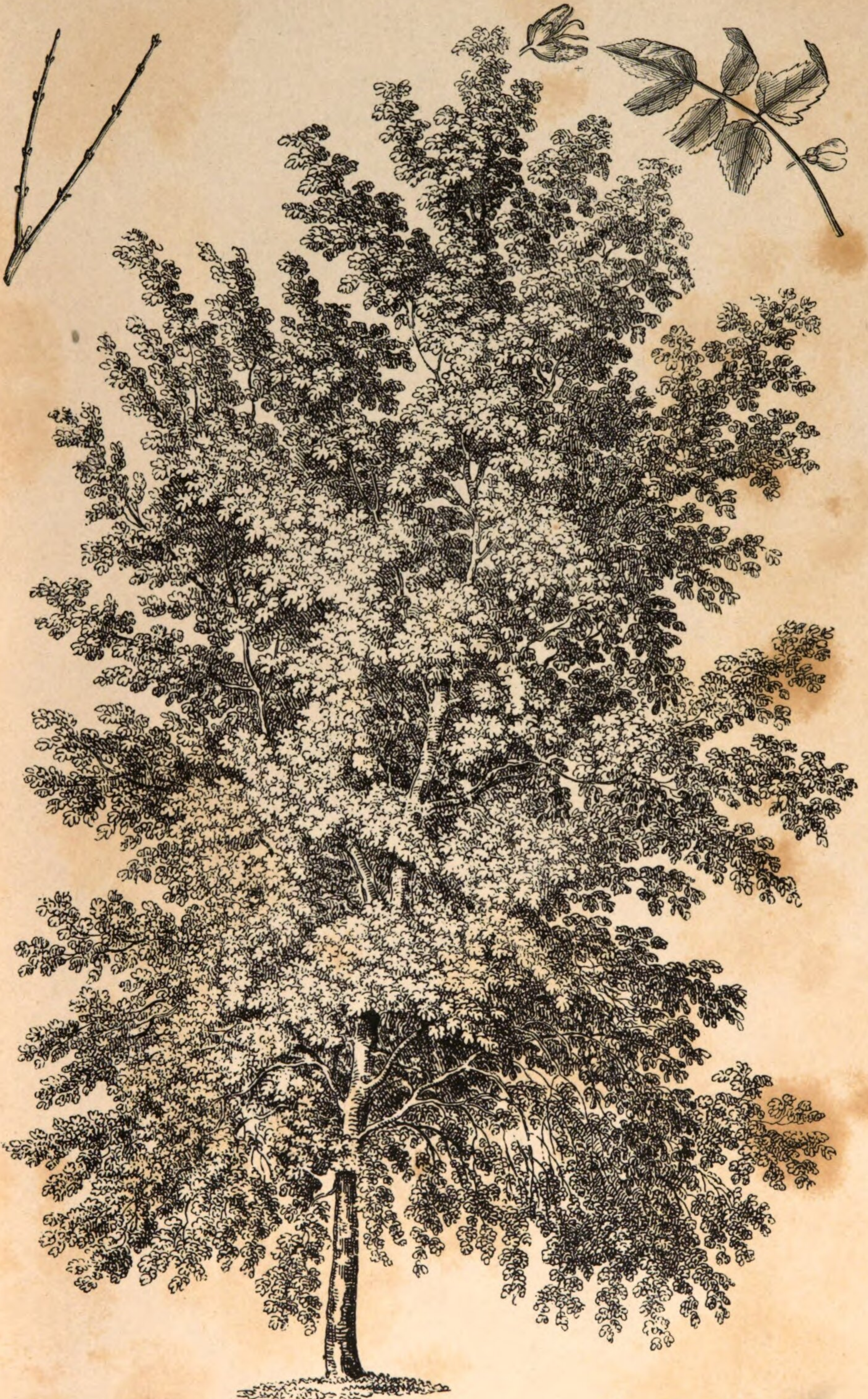








The Ash-leaved Box Elder.



30 ft. high, 8 in. diam.

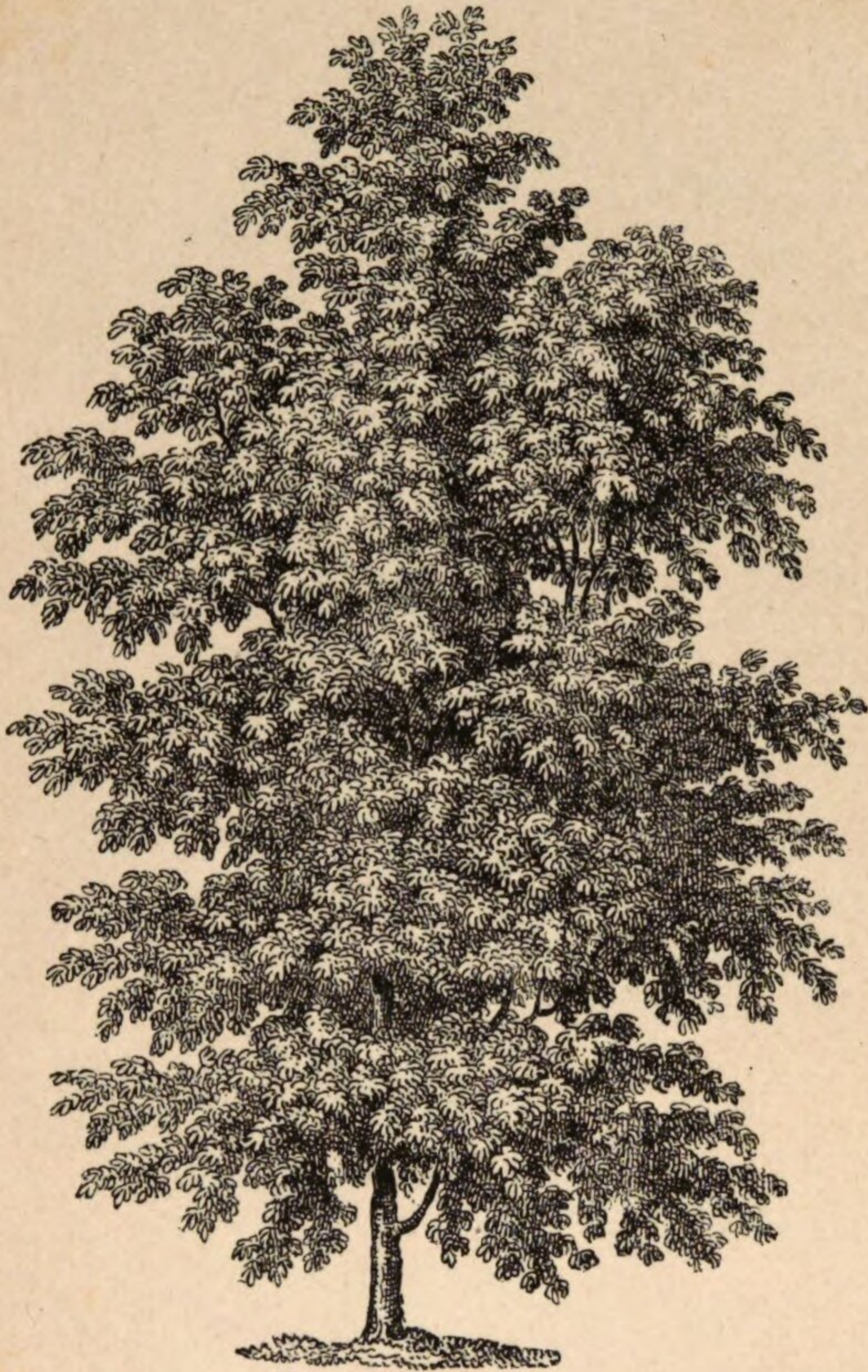






Negundo fraxinifolium crispum.  
The curled Ash-leaved Box Elder.

47



15 $\frac{3}{4}$  ft. high, 4 $\frac{1}{2}$  in. diam.









*Æsculus Hippocástanum.*  
The common Horsechestnut.

48



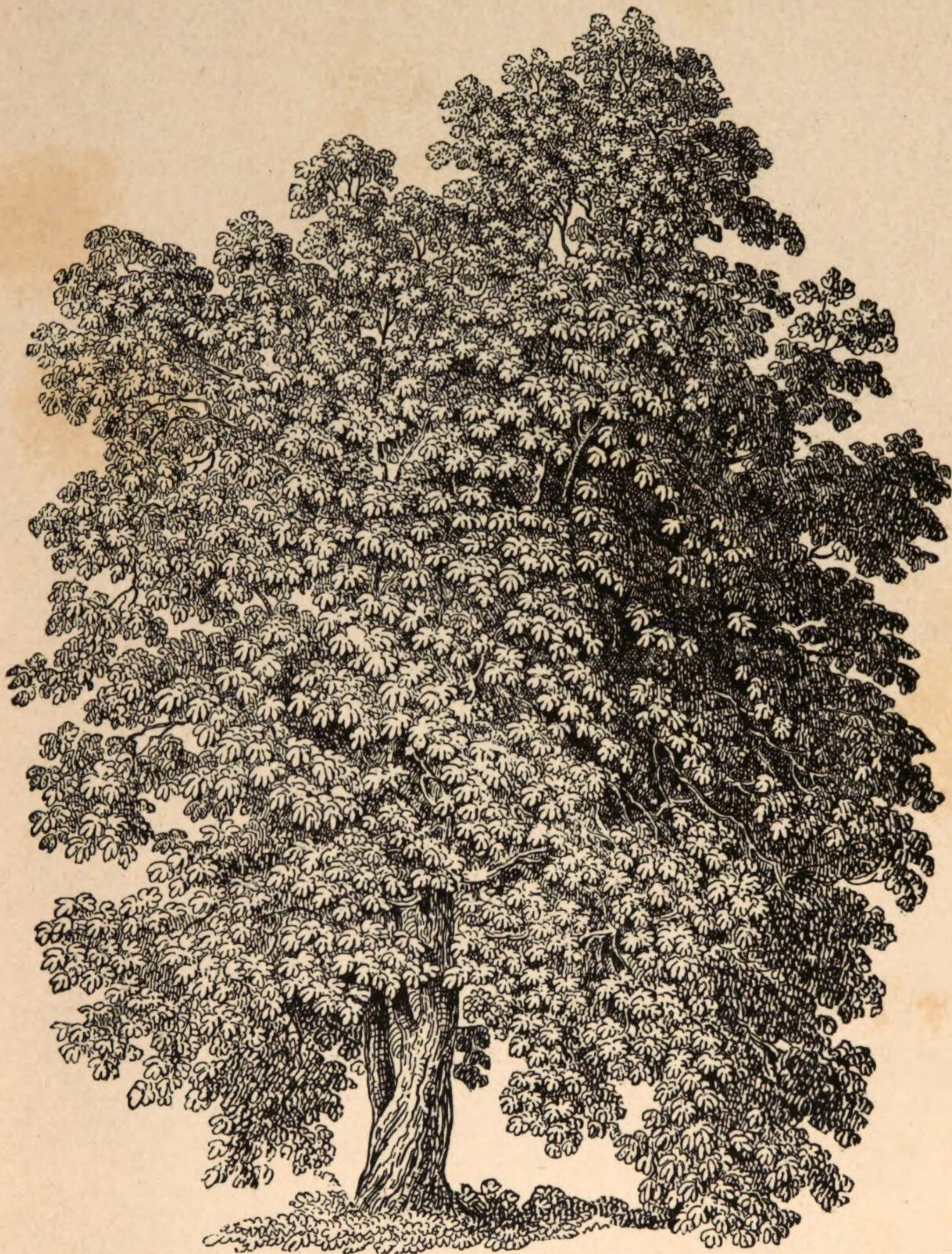






*Æsculus Hippocástanum.*  
The *common* Horsechestnut.

49



Full-grown tree at Forty Hill, Enfield ; 62 ft. high, diam. of the trunk 4 ft., and of the head 48 ft.  
[Scale 1 in. to 12 ft.]









The reddish, or flesh-colour, *flowered* Horsechestnut.









*Pavia rubra.*  
The red-flowered Pavia.



10 ft. high,  $4\frac{1}{2}$  in. diam.









*Pavia rubra.*

The red-flowered Pavia.



Full-grown tree at Syon ; 26 ft. high, several small trunks from the same root ; head 27 ft. diam.  
[Scale 1 in. to 12 ft.]





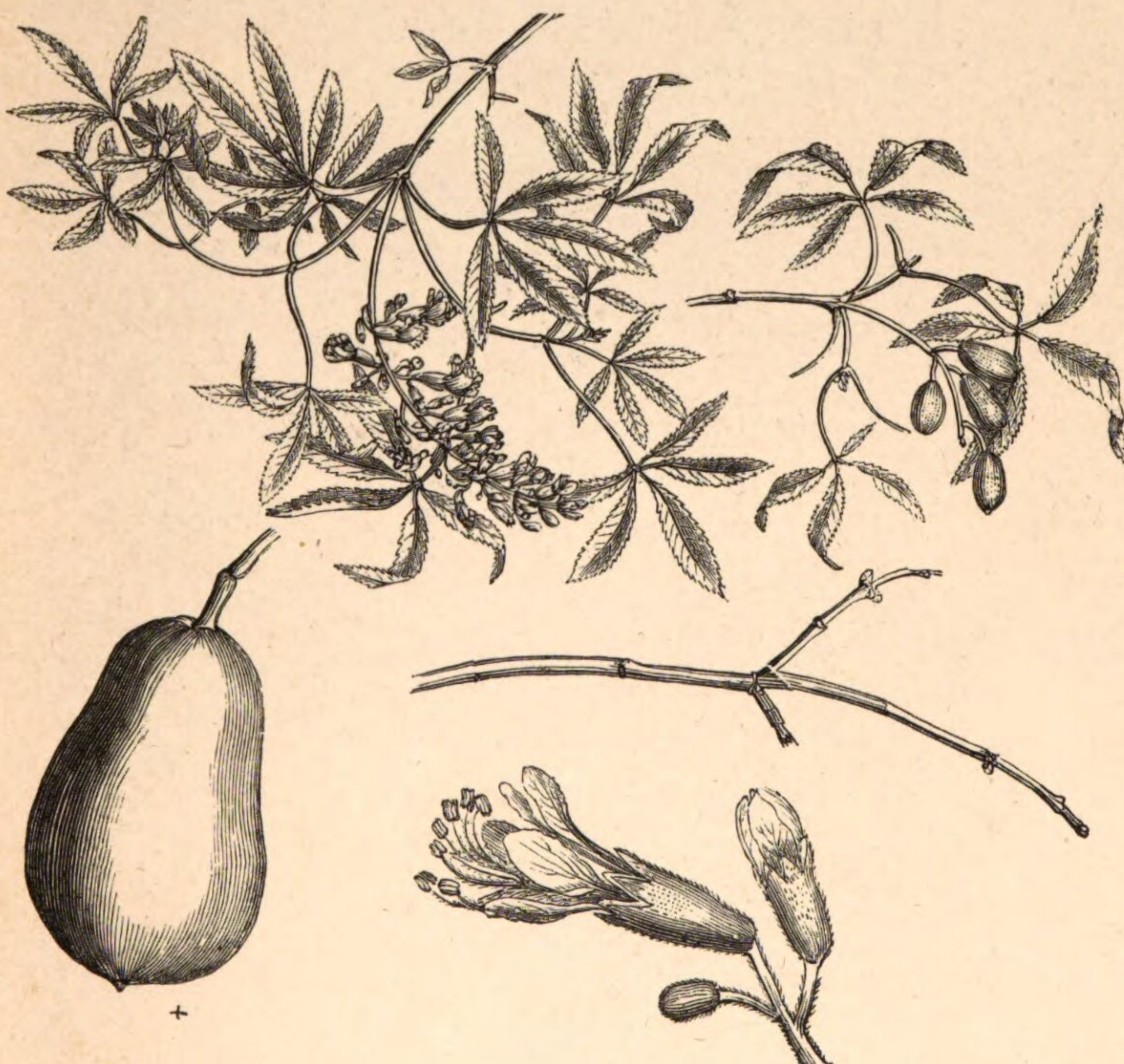




The pendulous-branched Pavia.



11 ft. high, 2 $\frac{3}{4}$  in. diam.

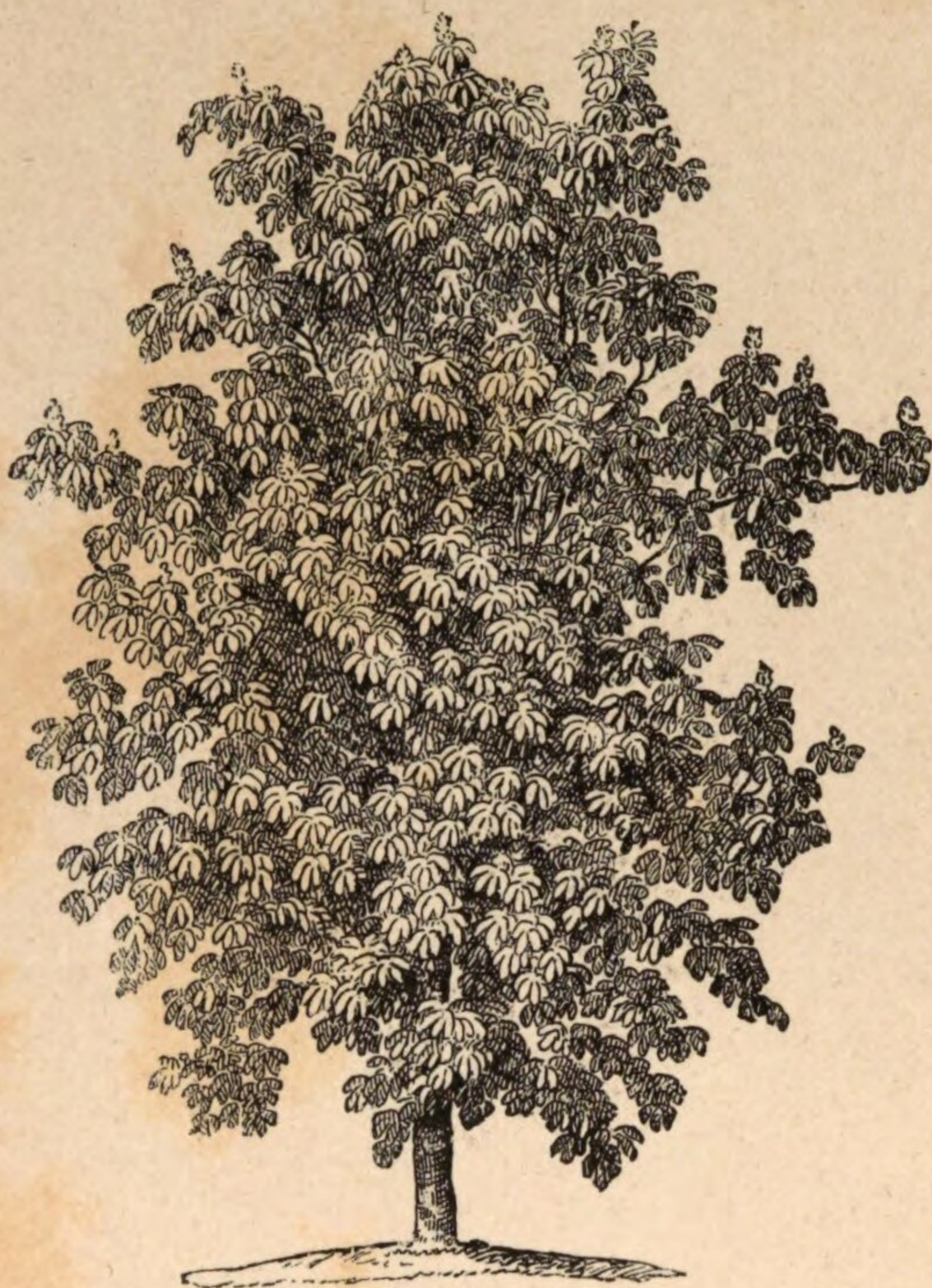








The yellow-flowered Pavia, or smooth-fruited Horsechestnut.



15 ft. high, 6 in. diam.



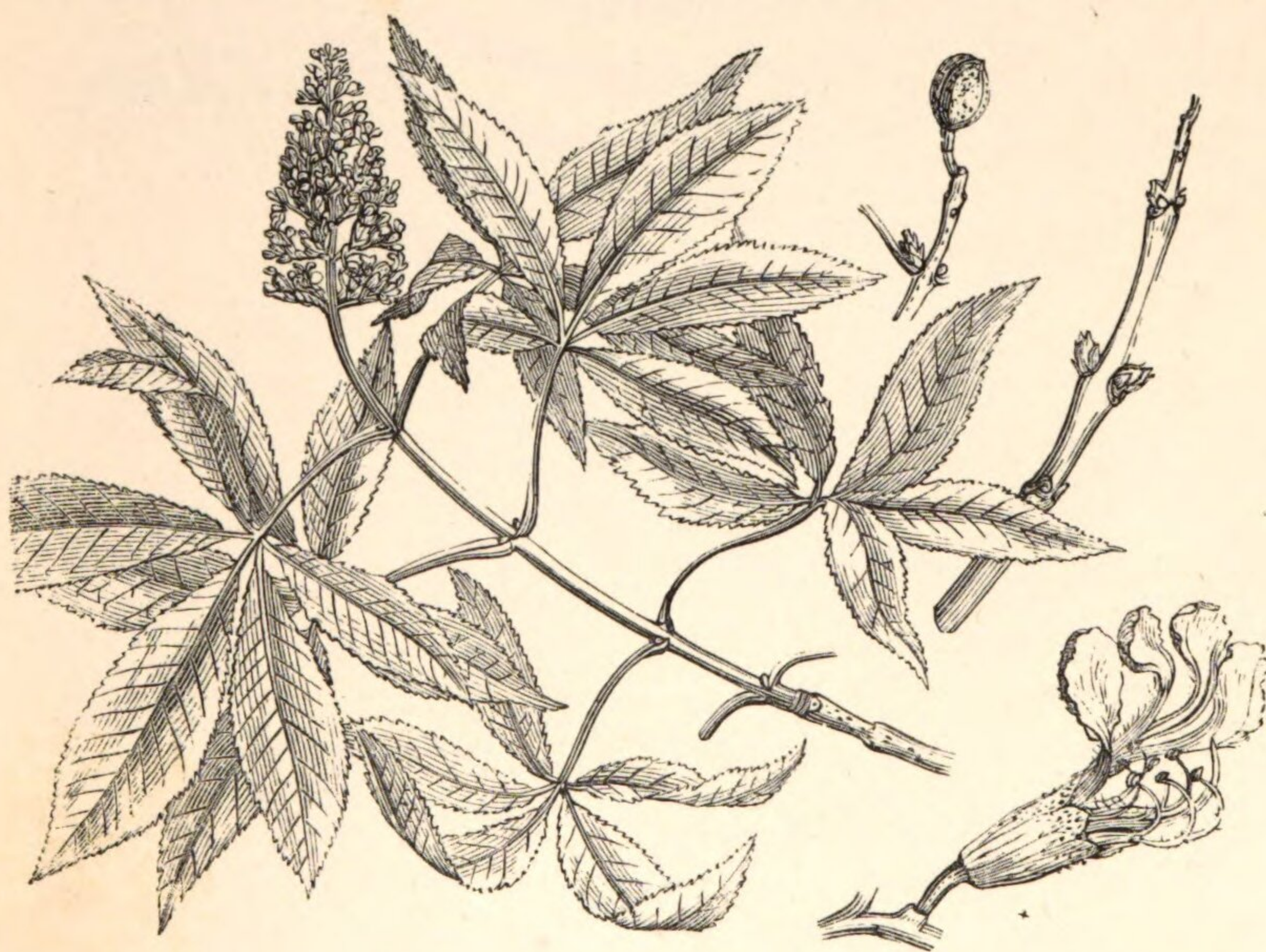








Full-grown tree at Syon ; 40 ft. high, diam. of the trunk 1 ft. 4 in., and of the head 39 ft.









*Pàvia macrocárpa.*  
The large-fruited Pavia.

56



13 ft. high, 3 in. diam.









*Kölreutèria paniculàta.*

The panicled-*flowered* Kölreuteria.



14 $\frac{3}{4}$  ft. high, 3 in. diam.









*Xanthoxylon fraxineum.*  
The Ash-leaved Toothache tree.

58









*Ptelea trifoliata.*

The three-*leafleted*-leaved Shrubby Trefoil.



16½ ft. high, 2½ in. diam.









*Ailántus glandulòsa.*  
The glandulous-leaved Ailantus.

60



32 ft. high, 8 in. diam.







*Ailántus glandulòsa.*  
The glandulous-*leaved* Ailantus.



Full-grown tree at Syon; 71 ft. high.  
[Scale 1 in. to 12 ft.]







*Euonymus europæus.*

The European, or common, Spindle tree.



10 ft. high, 2½ in. diam.









*Euonymus latifolius.*  
The broad-leaved Spindle tree.



12 ft. high, 2 in. diam.









*Ilex Aquifolium.*

64

The sharp-leaved, or common, Holly.



14 ft. high, 3½ in. diam.









The sharp-leaved, or common, Holly.









*Ilex opaca.*  
The opaque-leaved Holly.



12 ft. high, 2½ in. diam.









*Ilex opaca.*  
The opaque-*leaved* Holly.



Full-grown tree at Syon ; 18 ft. high, diam. of the trunk 1 ft., and of the branches 23 ft.  
[Scale 1 in. to 12 ft.]



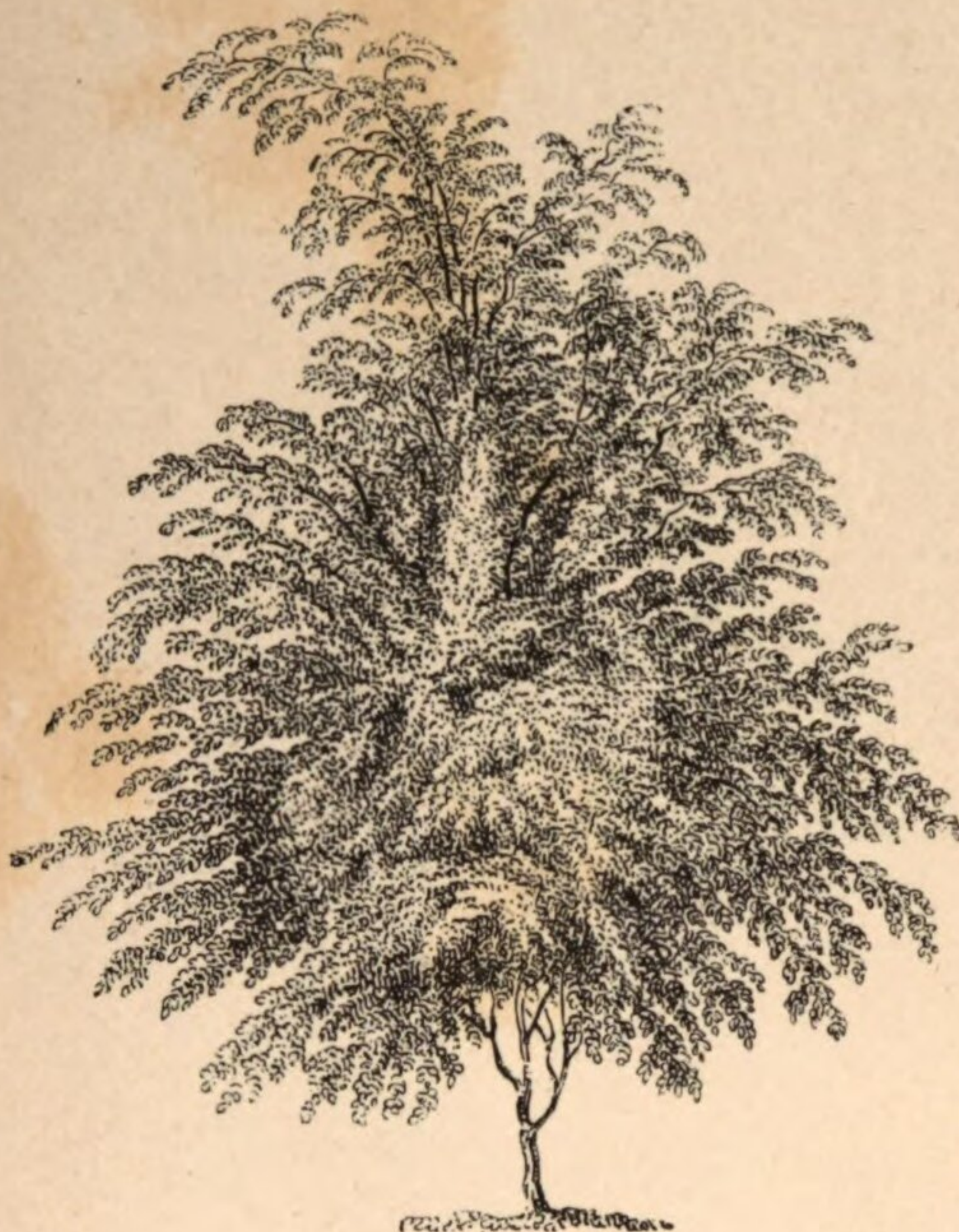






*Paliurus aculeatus.*

The prickly Paliurus, or *Christ's Thorn*.



13½ ft. high, 2 in. diam.









*Paliurus aculeatus.*

The prickly Paliurus, or *Christ's Thorn*.



Full-grown tree at Syon ; 33 ft. high, diam. of the trunk 1 ft., and of the head 30 ft.  
[Scale 1 in. to 12 ft.]





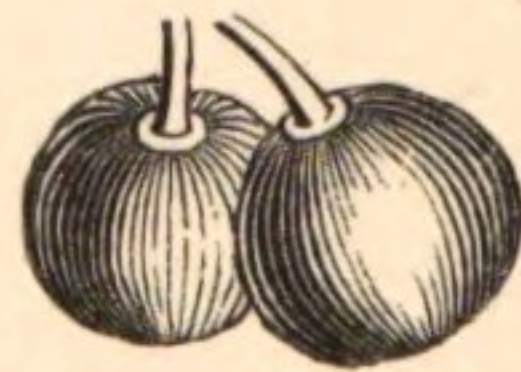
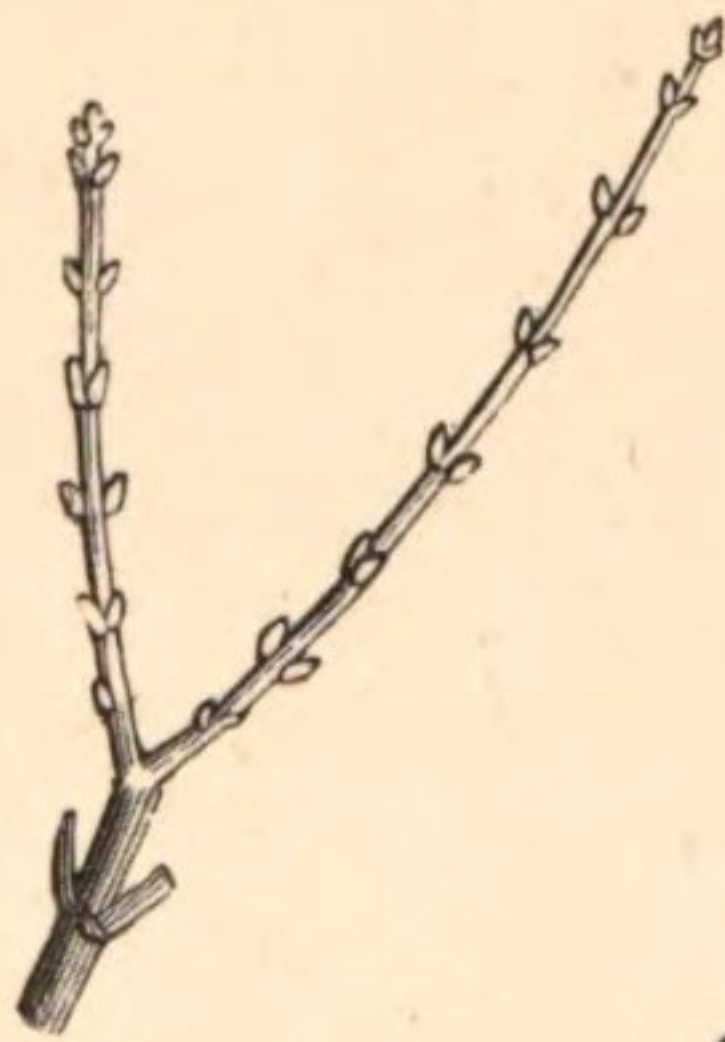




*Rhámnus cathárticus.*  
The purging Buckthorn.



12 ft. high,  $3\frac{1}{2}$  in. diam.









*Rhâmnus alpînus.*  
The alpine Rhamnus.

71



11 ft. high, 3 in. diam.







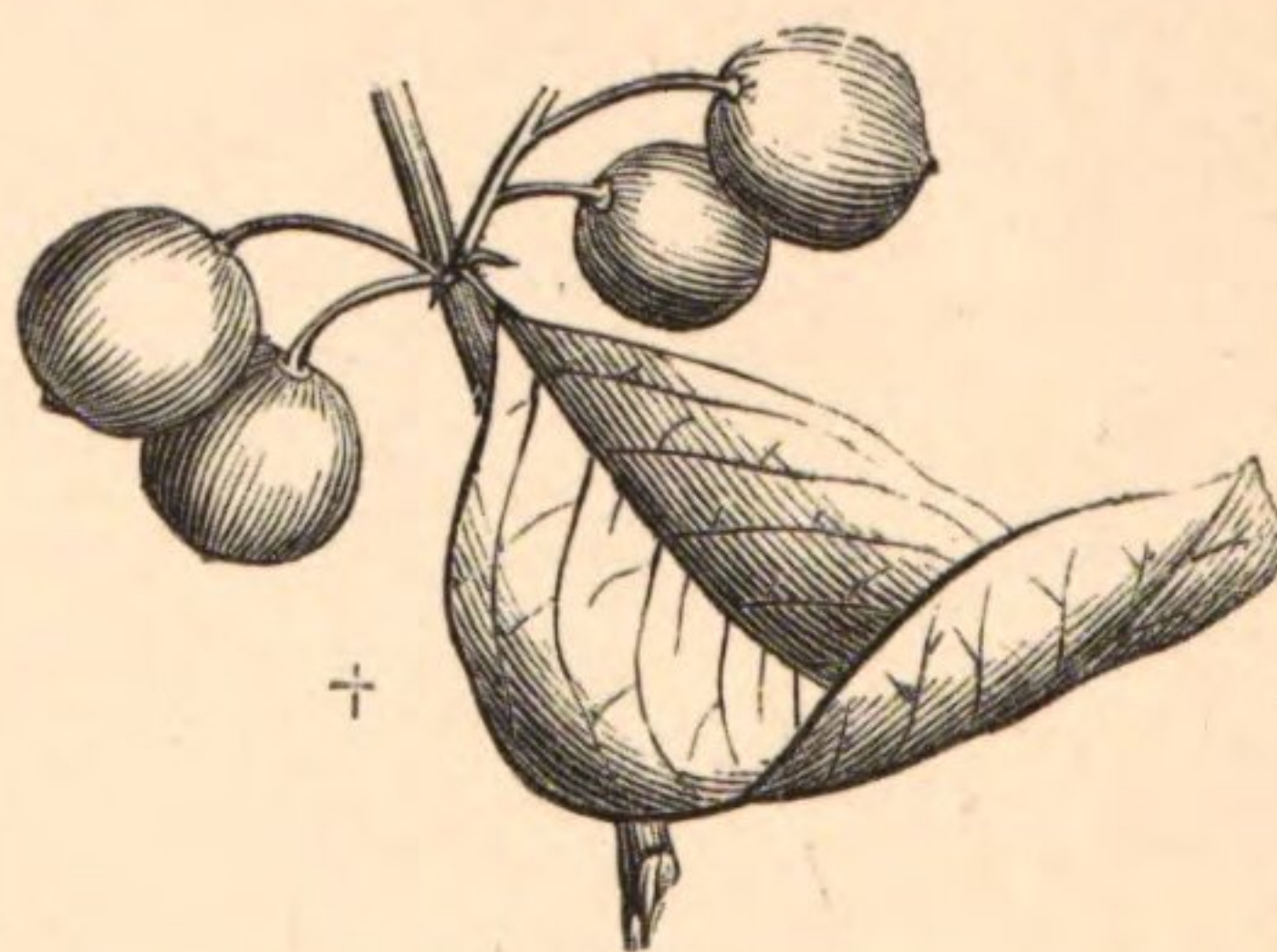


*Rhámnus Frángula.*

The brittle-wooded Buckthorn, or *Berry-bearing Alder*.



10 ft. high,  $1\frac{1}{2}$  in. diam.





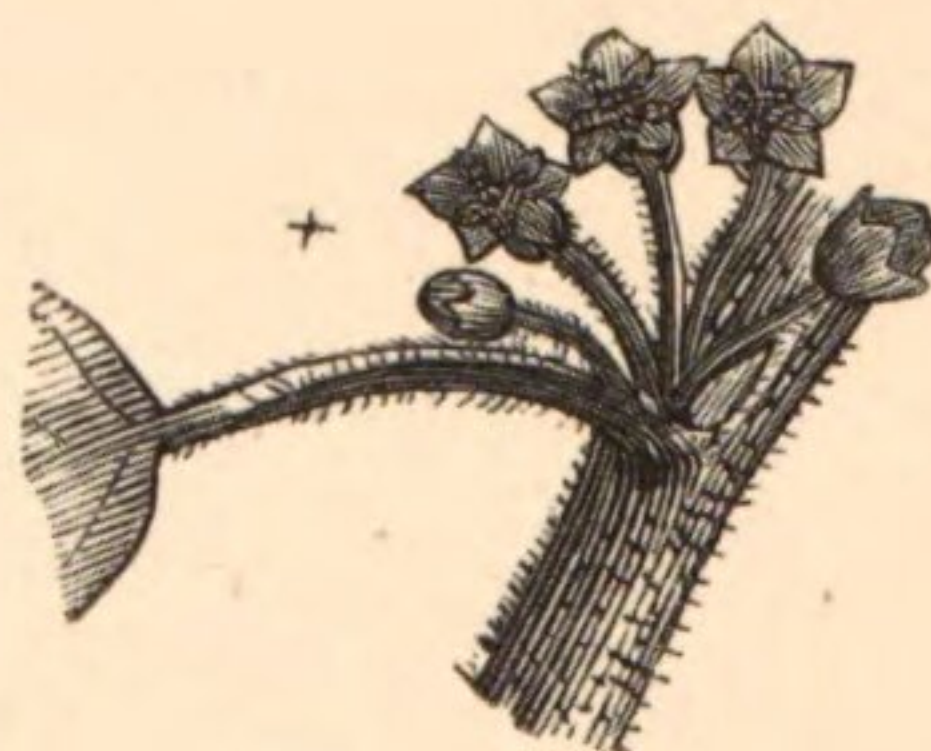




*Rhámnus latifólius.*  
The broad-leaved Buckthorn.



17 ft. high, 3½ in. diam.







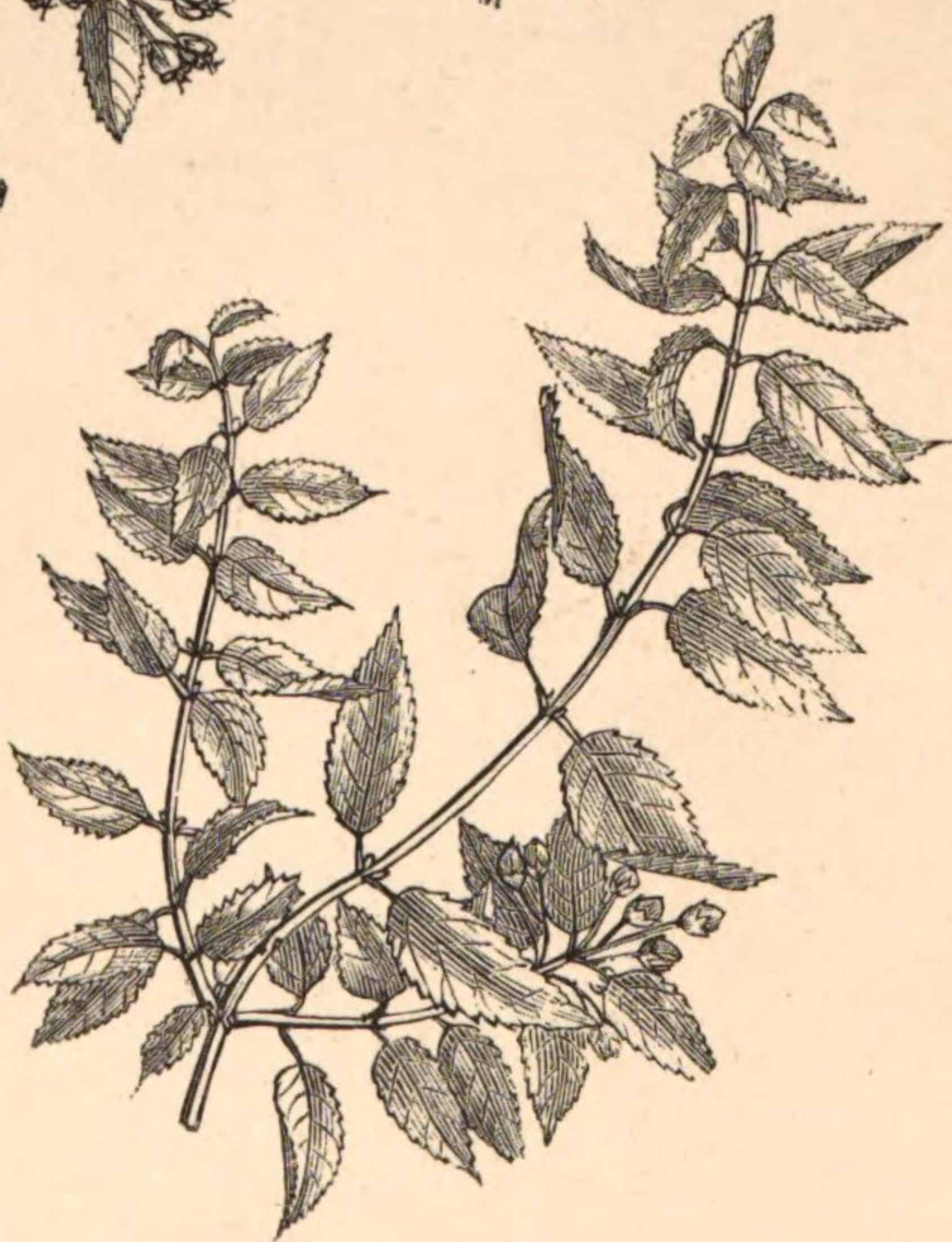
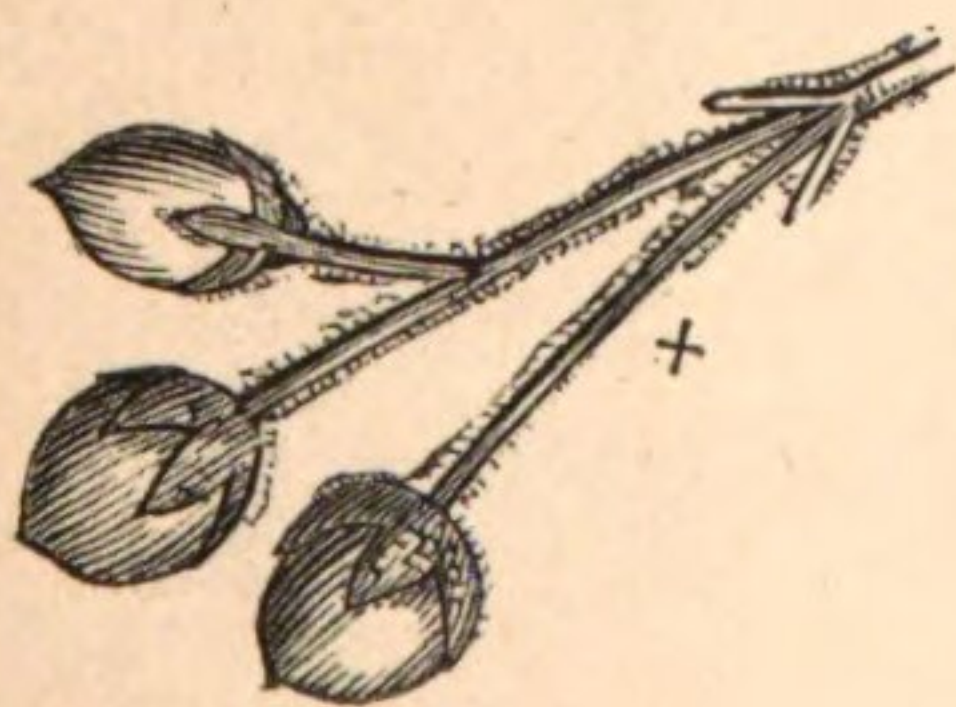


*Aristotelia Mácqui.*  
The Macqui Aristotelia.

74



10 ft. high,  $1\frac{1}{2}$  in. diam.









*Sophora japonica.*  
The Japanese Sophora.

75



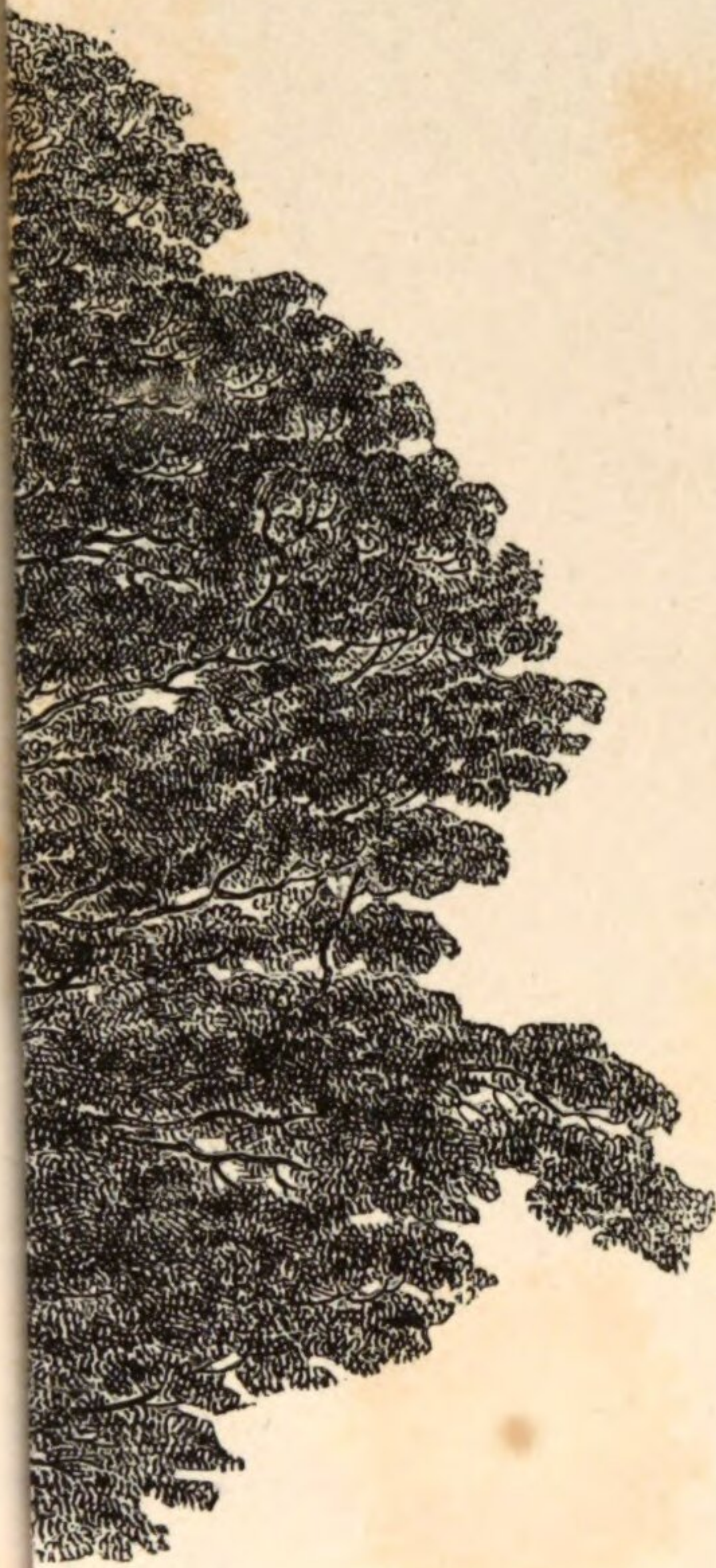
20 ft. high, 9 in. diam.











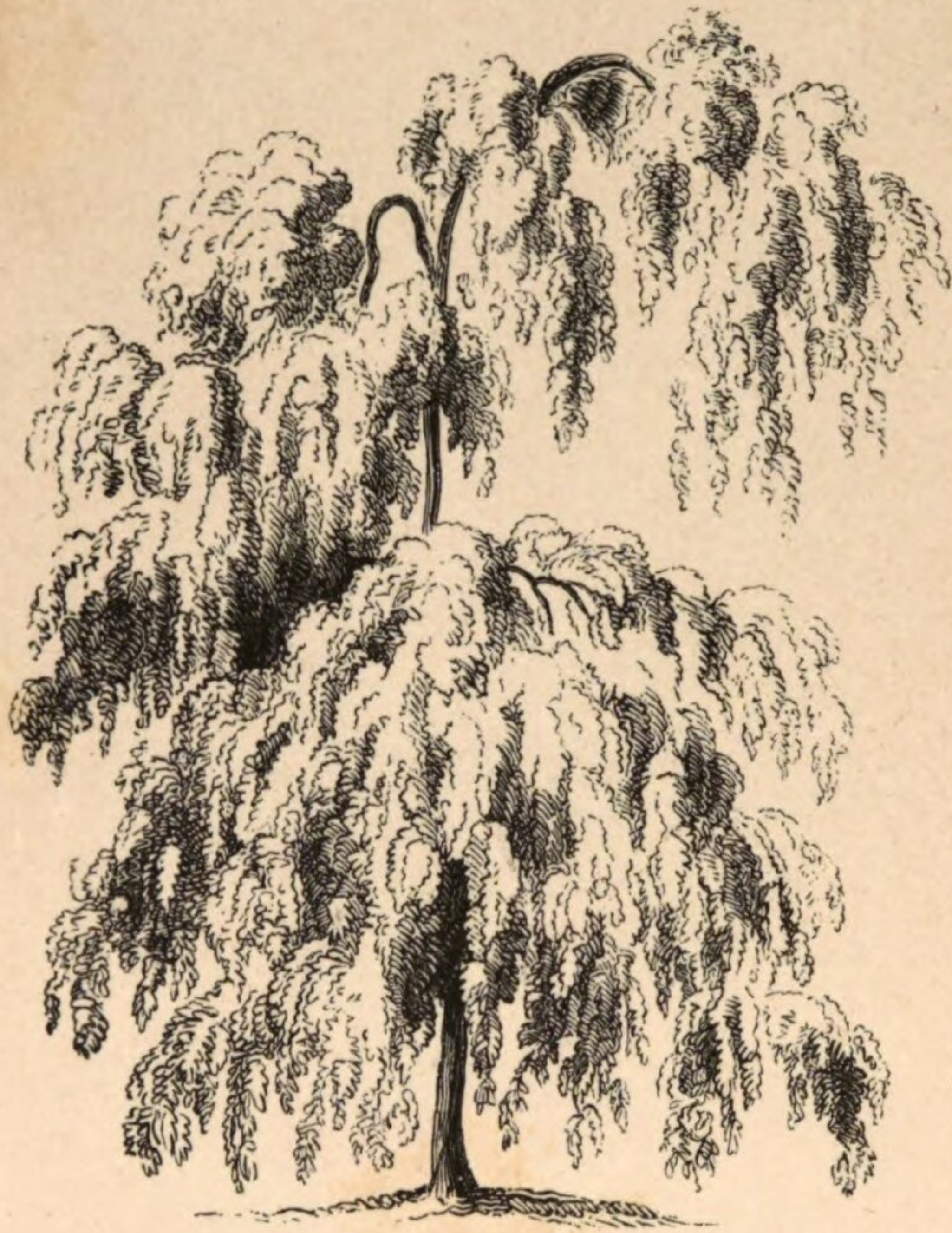






*Sophora japonica pëndula.*

The drooping-*branched* Japanese Sophora.



12 ft. high, 3 in. diam.





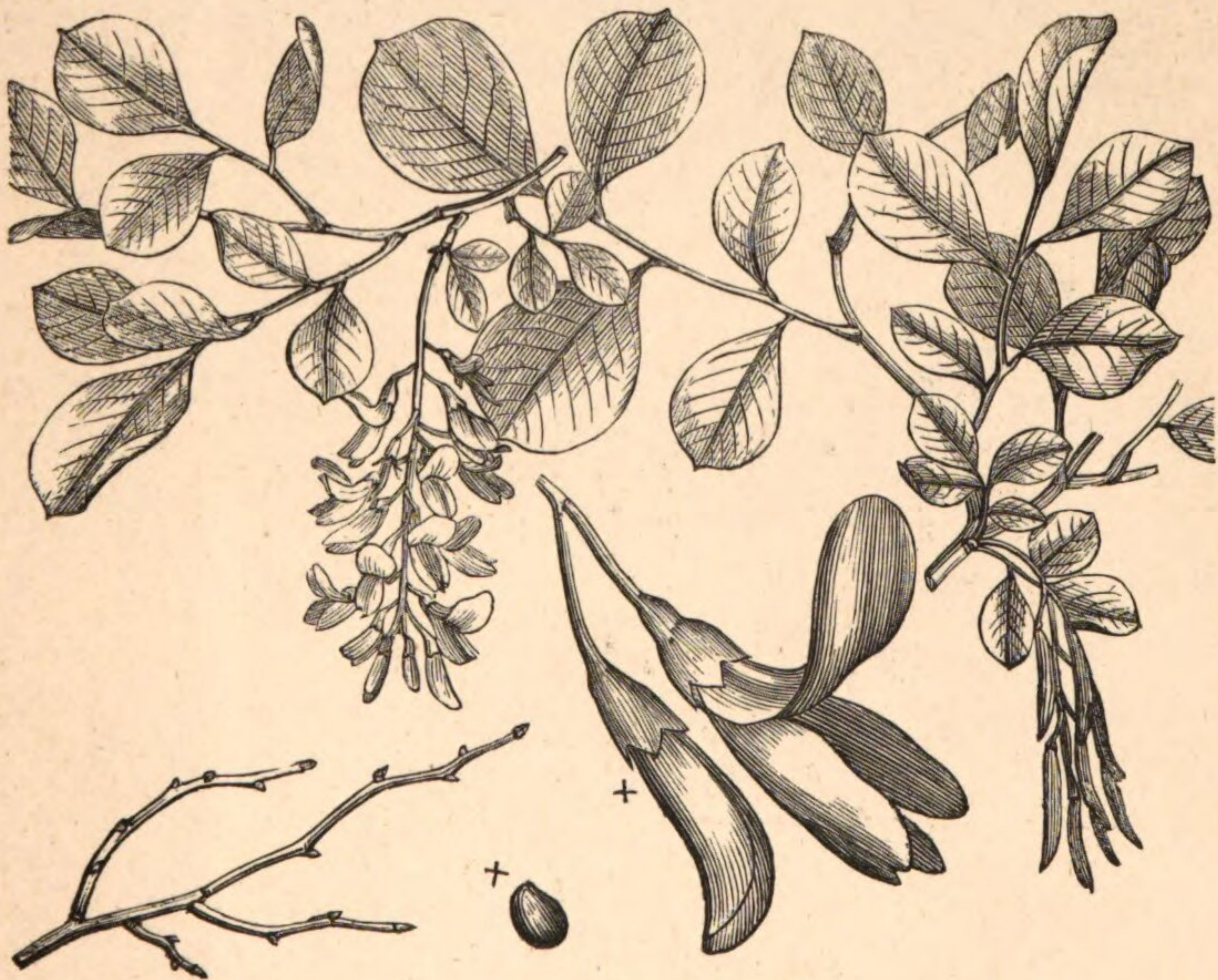




*Virgilia lutea.*  
The yellow-wooded Virgilia.



17 ft. high,  $5\frac{1}{2}$  in. diam.









*Cytisus Laburnum.*  
The common Laburnum.

79



15 ft. high, 5 in. diam.









*Cytisus Laburnum quercifolium*, or *incisum*.

The Oak-leaved, or cut-leaved, Laburnum.



15 ft. high, 3 in. diam.









*Cytisus alpinus.*

The alpine Cytisus, or Scotch Laburnum.



12 ft. high,  $3\frac{1}{2}$  in. diam.





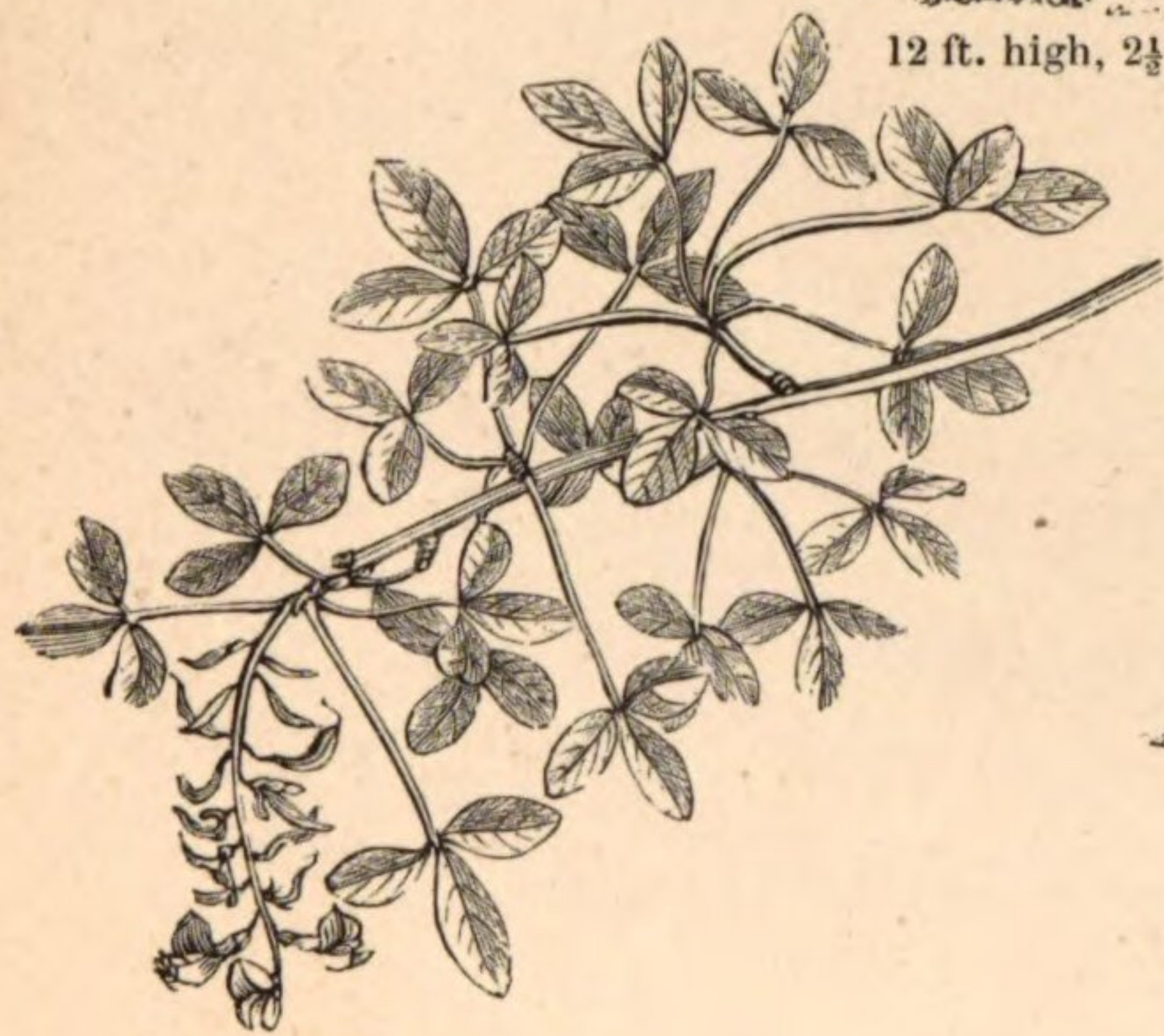




The pendulous alpine, or Scotch, Laburnum.



12 ft. high, 2½ in. diam.









*Robínia Pseùd-Acàcia.*  
The Robinia, or False Acacia.

83











high.,







The Umbrella, or *Parasol*, Robinia or False Acacia.









*Robinia Pseùd-Acàcia tortuosa.*

The twisted-leaved Robinia or False Acacia.



12 ft. high,  $3\frac{1}{2}$  in. diam.





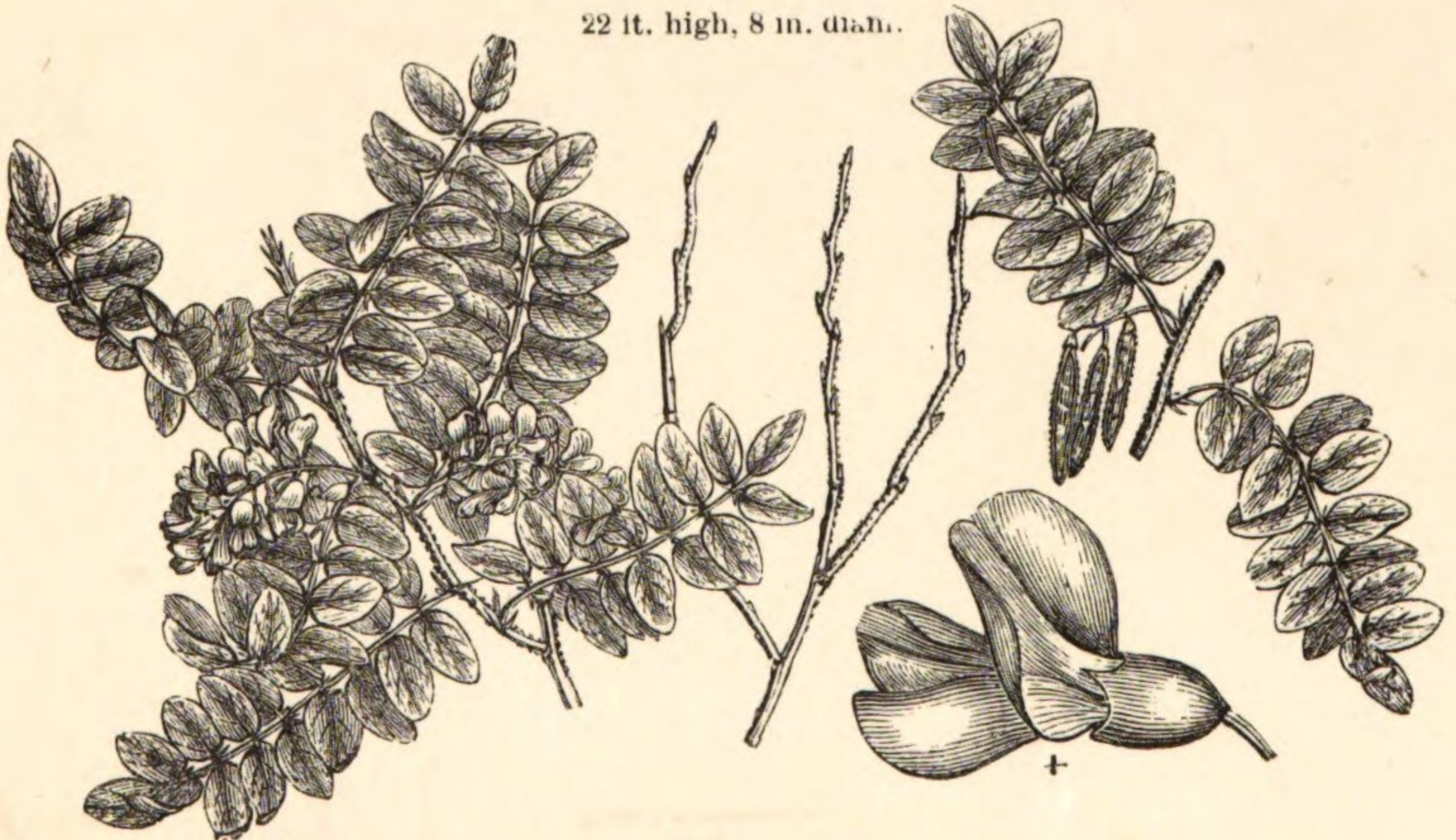




The clammy Robinia.



22 ft. high, 8 in. diam.









*Robínia híspida macrophýlla.*

The large-leaved Robinia, or *Rose Acacia*.



8½ ft. high, 2½ in. diam.





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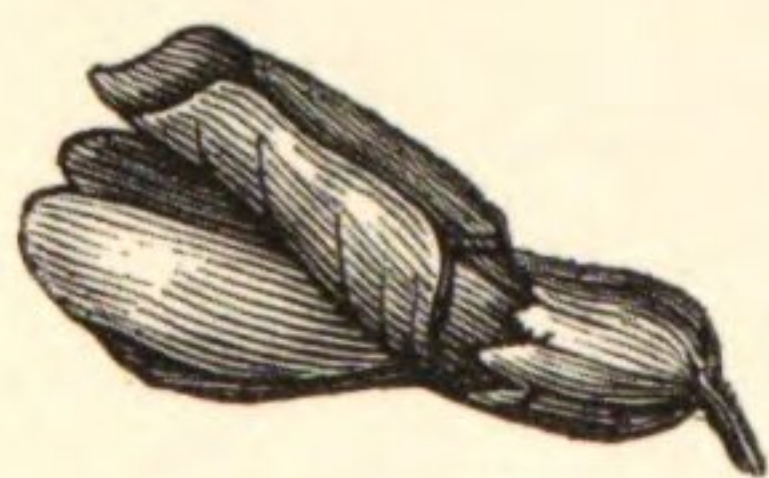


*Caragana arborescens.*

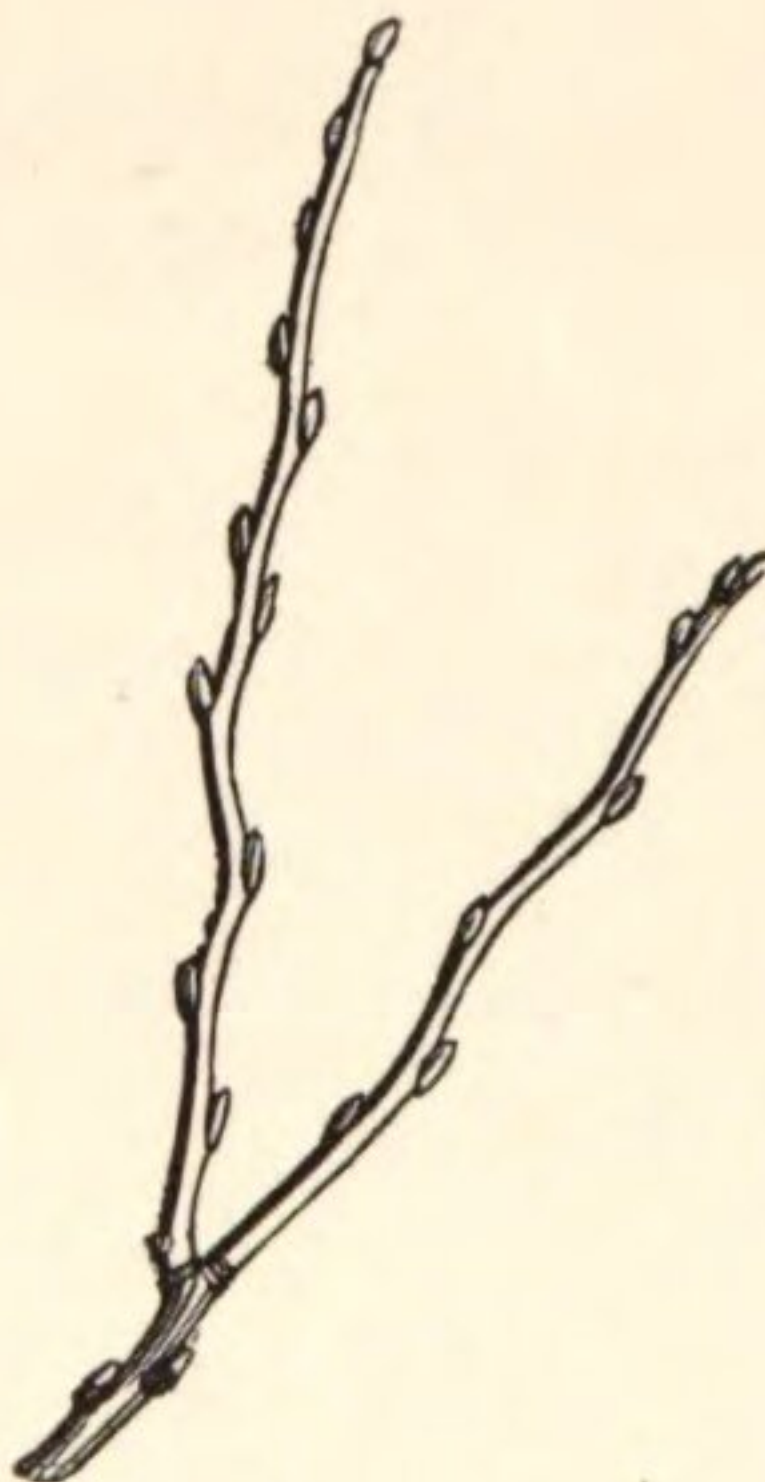
The arborescent Caragana, or *Siberian Pea tree*.



11 ft. high, 3 in. diam.



+



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The ... ..  
...



The three-spined Gleditschia, or *Honey Locust*.



19½ ft. high, 3½ in. diam.





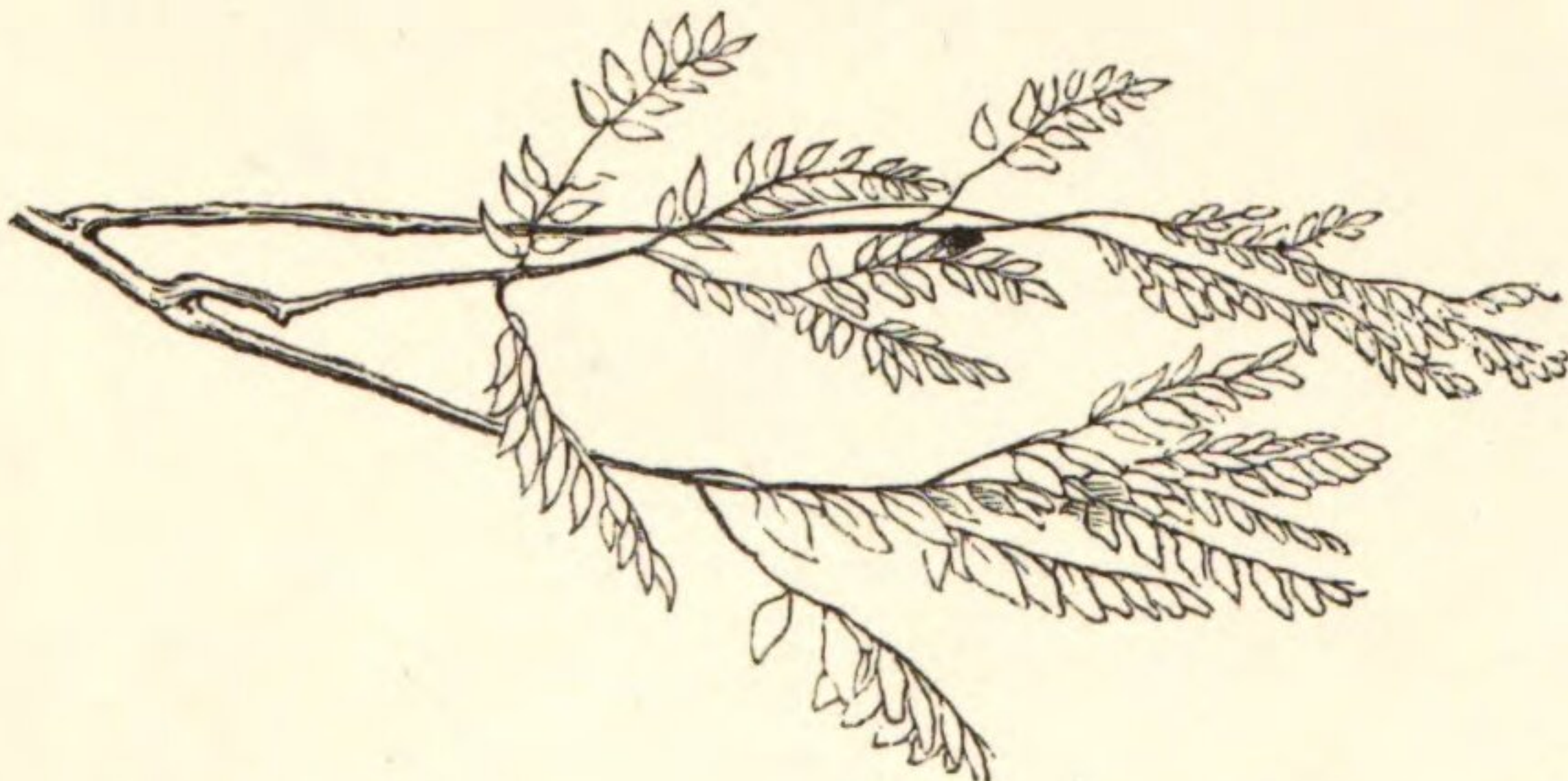




The three-thorned Gleditschia, or *Honey Locust*.



Full-grown tree at Syon ; 68 ft. high, diam. of the trunk 2 ft. 3 in., and of the head 40 ft.  
[Scale 1 in. to 12 ft.]









The unarmed, or thornless, Gleditschia, or *Honey Locust*.



20 ft. high, 4 in. diam.



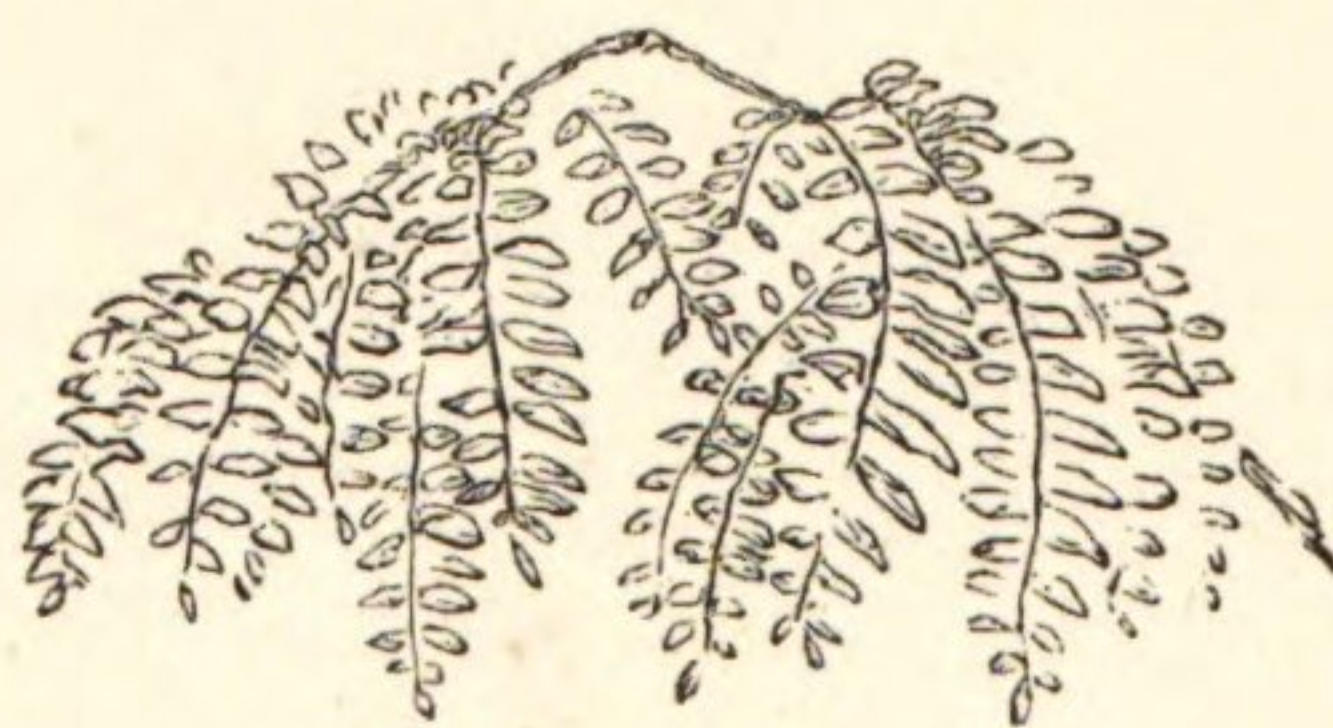




The unarmed *Gleditsia*, or *Honey Locust*.



Full-grown tree at Syon ; 72 ft. high, diam. of the trunk 2 ft. 4 in., and of the head 71 ft.  
[Scale 1 in. to 12 ft.]





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The Chinese, or horrid-spined, Gleditschia.



Full-sized tree at Syon ; 54 ft. high, diam. of the trunk 3 ft., and of the head 54 ft.





1874

1874

1874

1874

1874

1874

1874

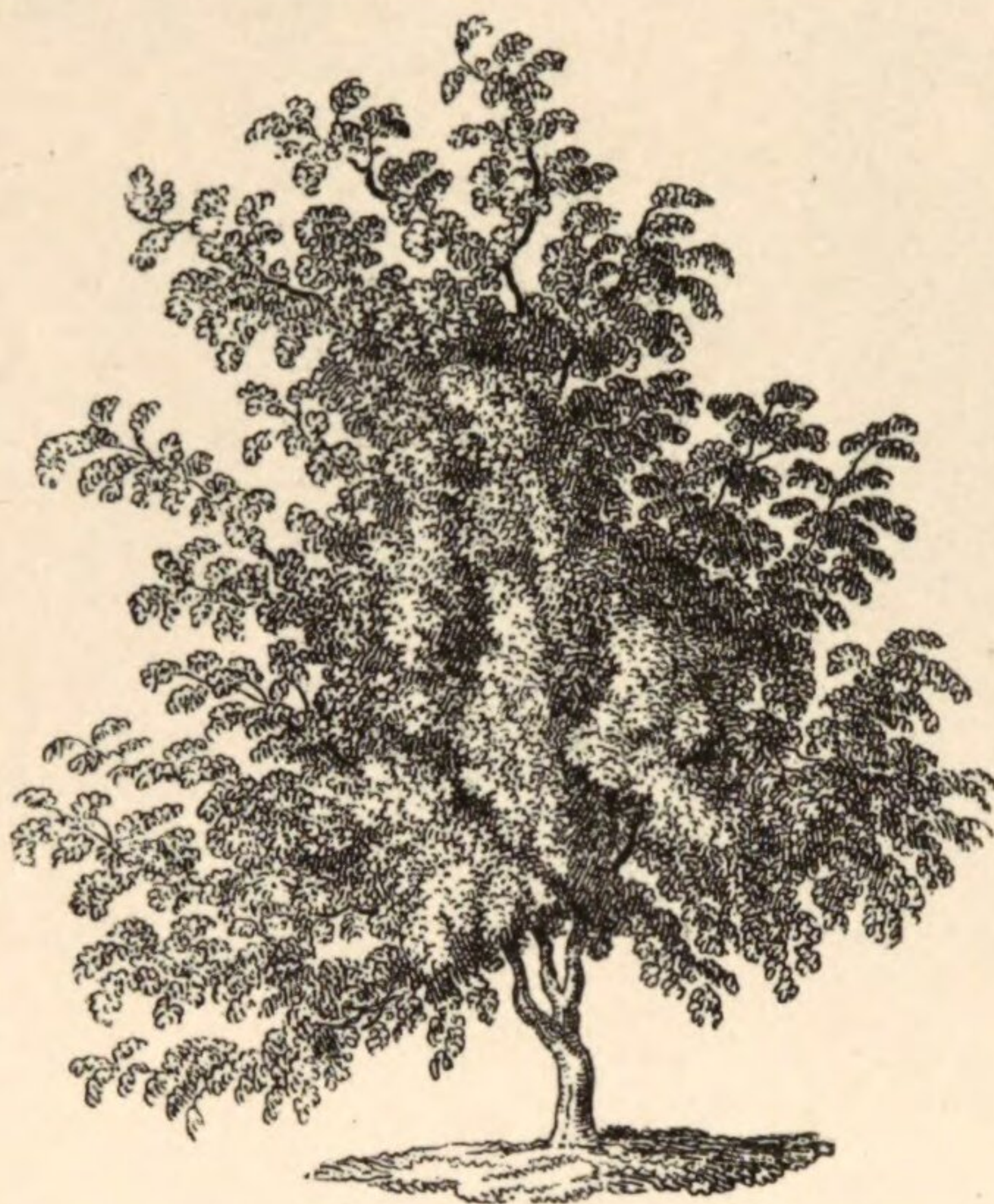
1874

1874

1874



*Gleditschia japonica.*  
The Japan Gleditschia.



10 ft. high,  $2\frac{1}{2}$  in. diam.









The dwarf horrid-spined Gleditschia, or *Honey Locust*.









*Gleditschia hórrida purpúrea.*

The purple horrid-spined Gleditschia, or *Honey Locust*.



12 ft. high, 2 in. diam.









The long-spined *Gleditschia*, or *Honey Locust*.



Full-grown tree at Syon ; 57 ft. high, diam. of the trunk 3 ft., and of the head 63 ft.  
[Scale 1 in. to 12 ft.]









The Canadian Gymnocladus, or *Kentucky Coffee tree*.









The Canadian Gymnocladus, or *Kentucky Coffee tree.*



Full-grown tree at Syon ; 57 ft. high, diam. of the trunk 3 ft., and of the head 47 ft.  
[Scale 1 in. to 12 ft.]









*Cercis Siliquástrum.*  
The common Judas tree.



11 ft. high,  $3\frac{1}{2}$  in. diam.





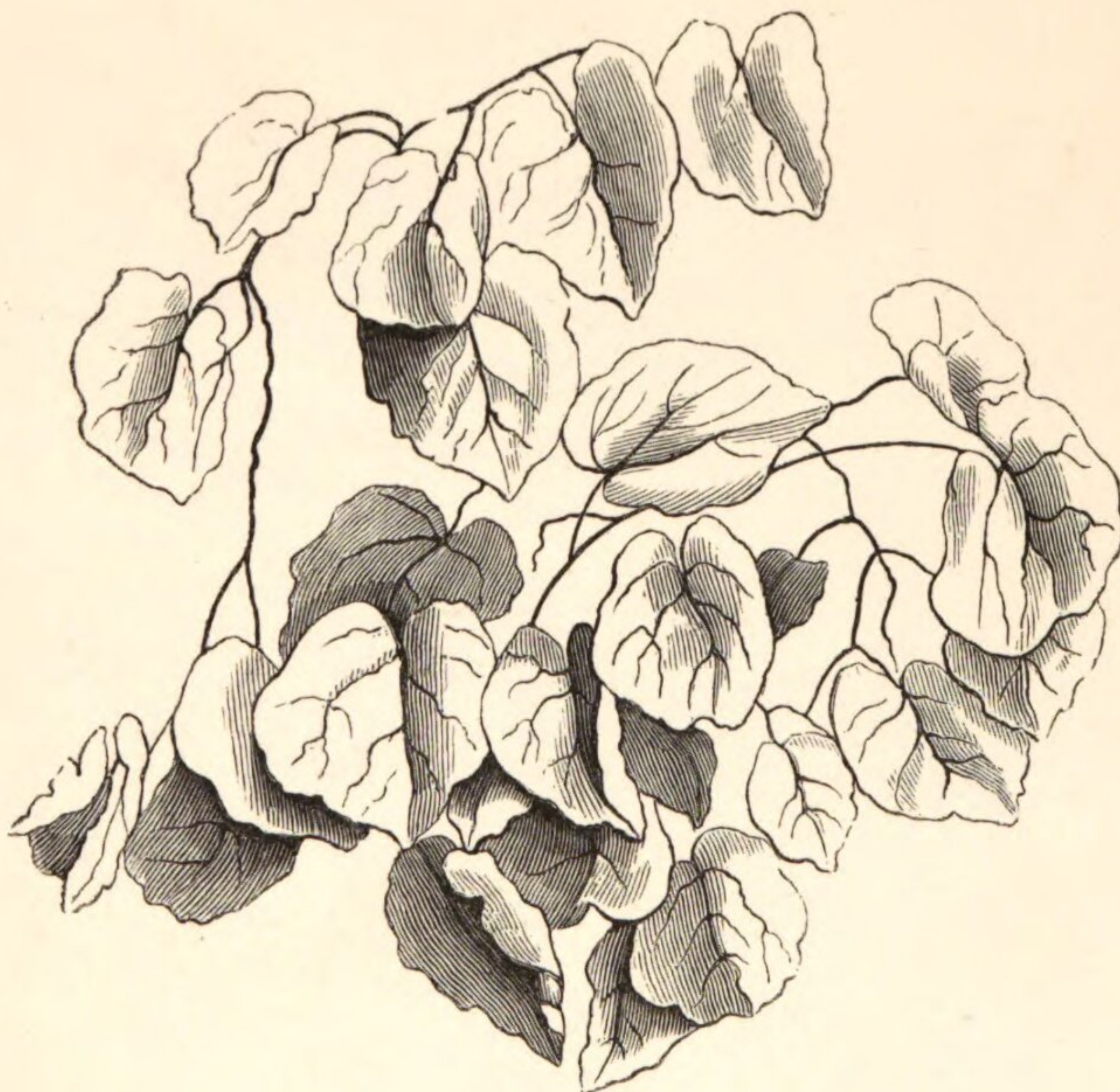




*Cercis Siliquástrum.*  
The *common Judas tree.*



Full-grown tree at Syon ; 24 ft. high, diam. of the trunk 2 ft., and of the head 32 ft.  
[Scale 1 in. to 12 ft.]









*Cercis canadensis.*  
The Canadian Judas tree.



10 ft. high, 2 in. diam.









*Acacia dealbata.*  
The whitened Acacia.



18 ft. high, 3 in. diam.











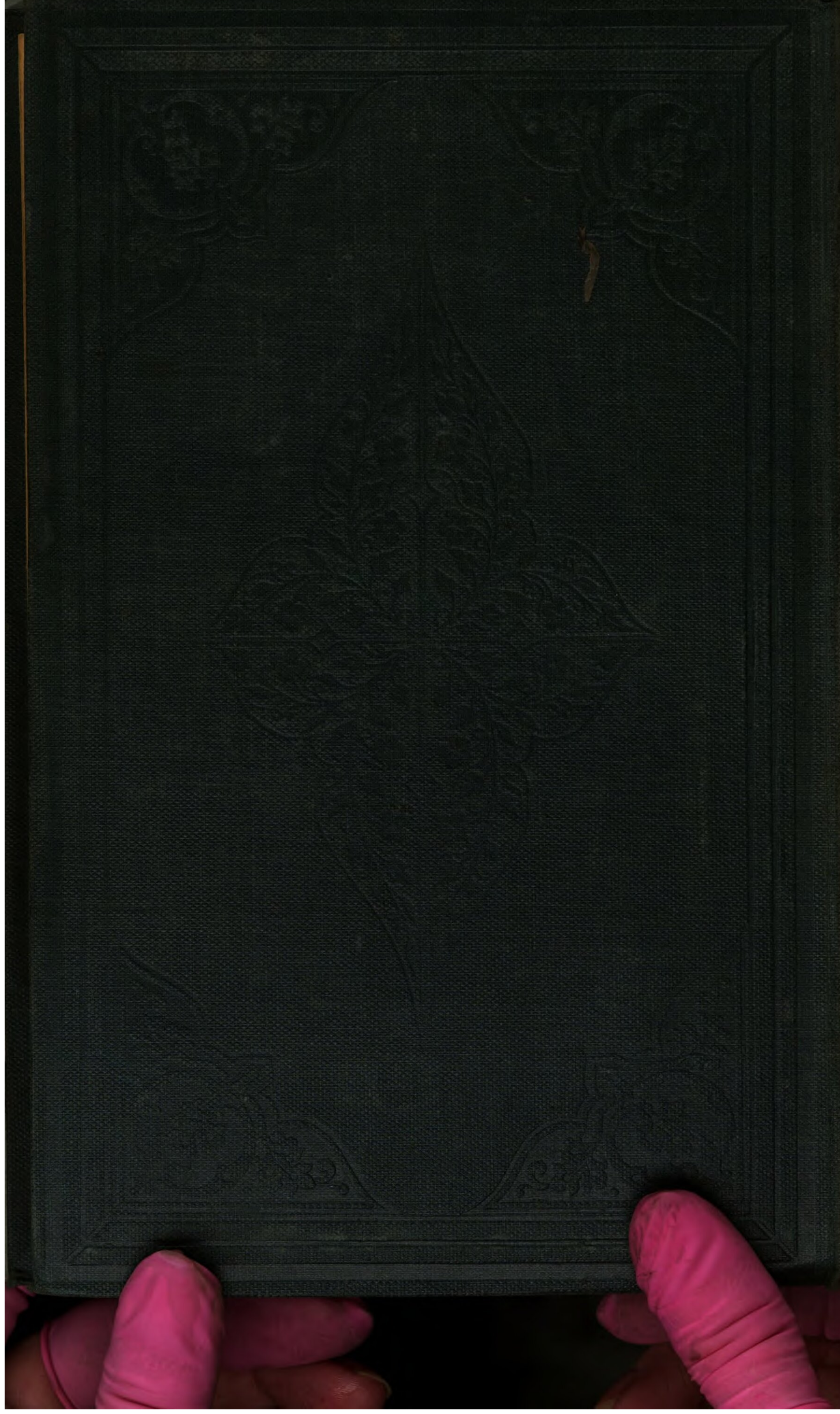






BOUND  
WESTLEY  
FRIAR  
LONDON















Loudon, John C.,

Arboretum et fruticetum Britannicum, or, the trees and shrubs of Britain  
native and foreign, hardy and half-hardy, pictorally and botanically  
delineated, and scientifically described ; with their propagation, culture  
management, and uses in arts, in useful plantations, and in landscape  
gardening ; preceded by a historical and geographical outline of the trees  
Bd.: 5

London 1844

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